# SLINGER HIGH SCHOOL

# COURSE DESCRIPTION CATALOG

# 2025-2026

REVISED JANUARY, 2024

# TABLE OF CONTENTS



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According to School District of Slinger School Board Policy, the district is committed to equal educational opportunity for all students.

It is the policy of the School District of Slinger, pursuant to s.118.13, Wis. Stats., and PI 9, that no person, on the basis of sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional, or learning disability, may be denied admission to any school in this district or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extracurricular, pupil services, recreational, or other program.

If any person believes that the School District of Slinger, or any part of the school organization has failed to follow the law and rules of s.118.13, Wis. Stats., or in some way discriminates against pupil's on the basis of sex, race, color, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional, or learning disability, she/she may bring or send a complaint to the administration office at the following address:

Jim Curler
School District of Slinger
207 Polk Street
Slinger, WI 53086

# GENERAL INFORMATION

**ATTENTION PARENTS**

The information in this course description booklet is intended to help students and their parents choose courses which best prepare a student for whatever post-secondary education or career they choose. We recommend that you read all of the information thoroughly to insure that you understand all of your sons or daughters educational options. In addition to this document, other information and explanation of programs is found in the Student Handbook published annually by the district and our school website www.slinger.k12.wi.us under high school guidance.

Students may ask for help with class registration from any teacher, counselor, or other staff members, but the responsibility of general information regarding schedules and the distribution of schedules will be allocated to the counselors in the following manner:

| Counselors | 1st Letter of Last Name |
|---|---|
| Mrs. Gehring | A – G |
| Ms. Arena | H – O |
| Mr. Runingen | P – Z |

**Graduation Requirements**

25.50 credits are required for graduation. The requirement is as follows:

**Minimum Credit Loads**

All students are expected to maintain the following credit loads:

Freshmen – 7 Sophomores – 7 Juniors – 7 Seniors – 6

A. **HEALTH/FRESHMEN SEMINAR (1/2 credit)**

B. **ENGLISH (4 Credits)**
- English 9 (1 Credit)
- English 10 (1 Credit)
- American Literature (1 credit) **OR**
- AP Language (1 credit)
- 1 credit of electives over the course of junior or senior year

D. **SOCIAL STUDIES (3 Credits)**
- World Studies (1 Cr.) – Gr. 9 **OR**
- AP Human Geography
- American Studies I & II (1 Cr.) Gr. 10 **OR**
- AP US History – Gr. 10
- American Studies III (1/2 Cr.) - junior year **OR**
- AP U.S. Government (1 Cr.)
- 1/2 credit of electives taken junior or senior year

C. **SCIENCE (3 Credits)**
- Natural Science 9 (1 Credit)
- Biology 10 – (1 Credit)
- 1 credit of electives over the course of junior or senior year

E. **MATHEMATICS (3 Credits)**
- No specific classes are required
- Freshman Year (1 Credit)
- Sophomore Year (1 Credit)
- Junior Year (1 Credit)

F. **PHYSICAL EDUCATION (1-1/2 Credits)**
- Physical Education I – Gr. 9
- Physical Education II, Lifetime Fitness **OR**
- Slinger Strength – Gr. 10
- Physical Education III **OR** Slinger Strength **OR**
- Lifetime Fitness - junior year

(students must take Physical Education 3 out of 4 years)

G. **Financial Literacy (1/2 Credit)**
- Personal Finance can be taken junior or senior year.

**Class Change Deadlines**

In general, all course changes are to be completed prior to the start of the semester. Courses may be added no later than one week into the semester. Drops after week # 3 will receive a final "F" for the semester. Students are expected to maintain their minimum credit load.

**Grading Periods**

Report cards will be issued every nine weeks. Credits will be earned based on the 18-week semester grade. Semester grades are a summary of the two separate 9-week grades and the semester examination grade. The recorded grades include the use of a plus or minus.

## GRADING SCALE

| | | | | | |
|---|---|---|---|---|---|
| A | Excellent | 4.00 | C | Average | 2.00 |
| A- | Excellent | 3.67 | C- | Average | 1.67 |
| B+ | Very Good | 3.33 | D+ | Below Average | 1.33 |
| B | Very Good | 3.00 | D | Below Average | 1.00 |
| B- | Very Good | 2.67 | D- | Below Average | .67 |
| C+ | Average | 2.33 | F | Failing | .00 |

## POST SECONDARY EDUCATION

Completion of the requirements for graduation from Slinger High School does not necessarily fulfill the requirements for admission to all post-secondary programs. Refer to the following information for guidelines. Please realize that the guidelines change annually. Current information is always available through the guidance office.

**UW System Admission Requirements**

The UW system policy utilizes a comprehensive individualized review of applicants. It enables each institution to admit students, whose academic preparation, background and personal experiences suggest that they will succeed at the institution, benefit from the educational experience and contribute to the educational environment.

Academic factors (such as: rigor & quality of high school course work, rank in class, grade point average, test scores, and trends in grades) will be the most important consideration. Other factors will include student experiences, work experience, leadership qualities, motivation, community service and special talents. For additional information about the UW system institutions, visit www.uwhelp.wisconsin.edu.

**All UW System institutions require a minimum of 17 high school credits distributed as follows:**

| | | |
|---|---|---|
| I. | Core College Preparatory Credits | 13 Credits |
| | English | 4 Credits |
| | Mathematics (Algebra II or higher) | 3 Credits |
| | Social Science | 3 Credits |
| | Science | 3 Credits |
| II. | Elective Credits | 4 Credits |

These are chosen from the above core college preparatory areas, world language, fine arts, computer science and other academic areas. (Some universities accept up to 2 credits from vocational courses.)

Presently, UW Madison is the only school that requires 2 credits of a single world language to be admitted, however, UW Platteville, UW Parkside and UW Milwaukee require 2 semesters of single world language to graduate from their university. This can be accomplished by 2 years of a world language from high school.

More detailed information can be obtained in the guidance office.

**Private Colleges & Universities**

Admission to private colleges in Wisconsin generally requires academic preparation in high school comparable to what the UW schools require. The private colleges also utilize a comprehensive individualized review of applicants.

For more information about private colleges and universities, visit www.waicu.org/home.

**Technical College Admission**

Technical colleges have open admissions policies. However, some programs have specific high school course requirements. Some programs have waiting lists and windows for application: Apply early (July of junior year) to be admitted into your chosen program. Technical colleges expect a comprehensive high school curriculum to ensure success.

More detailed information is available in guidance or visit www.witcchcolleges.org.

## THE SCHEDULING PROCESS

The Slinger High School counseling department begins the scheduling process for the next school year in the 1st semester. This course description booklet is printed prior to Christmas vacation based on Board of Education approved classes. The courses described in this booklet are those approved for offering to our students but does not guarantee that all electives will be available. The Board decides in March each year what electives will be offered based on student enrollment. Any elective class with low enrollment may potentially be canceled.

The District determines the Master Schedule of all courses and teacher assignments based on student selection of courses. For these reasons, careful selection is very important. Schedule changes are discouraged.

The Slinger High School Board of Education reserves the right to change any administrative policy at any time it is deemed necessary in order to maintain the daily, safe and orderly operation of the school for students and staff.

There are a number of special program considerations, which students and parents should read carefully. If more information is needed, please contact the counseling personnel or the administration.

Course Selection and Prerequisites

Grade levels at which courses may be taken are indicated in each course description. Prerequisites to take a course, if any, are at the end of the course descriptions.

Course Conflicts

Every effort will be made to honor each student's request for courses, but conflicts between courses do arise. There is no such thing as a perfect schedule in which all students receive all their choices. However, if conflicts do arise, counselors will contact the student and help him/her resolve the problem.

## HUMAN GROWTH & DEVELOPMENT

In compliance with State Statute 118.019, Slinger High School is committed to providing human growth and development as part of a comprehensive education program.

The following required courses have been identified as containing human growth and development content: Health and Biology. In addition, human growth and development content is included in a number of elective courses.

Parents have the right to exempt their student from participation in instruction in the Slinger High School's human growth and development program. Those wishing to do so must file, with the principal, a written request that the student be exempted.

# 4 - YEAR COURSE PLANNING WORKSHEET

**FRESHMAN**

| Subject Area | Course Name | Credit |
|---|---|---|
| English | English 9 | 1.0 |
| Soc. Studies | World Studies or AP Human Geography | 1.0 |
| Science | Natural Science 9 | 1.0 |
| Phy Ed | Phy Ed I | .5 |
| Math | | 1.0 |
| Health | Health/Freshman Seminar | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| TOTAL | | 7.0 |

**SOPHOMORE**

| Subject Area | Course Name | Credit |
|---|---|---|
| English | English 10 | 1.0 |
| Soc. Studies | American Studies I & II or AP U.S. History | 1.0 |
| Science | Biology 10 | 1.0 |
| Phy Ed | Phy Ed II or Lifetime Fitness or Slinger Strength | .5 |
| Math | | 1.0 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| TOTAL | | 7.0 |

**JUNIOR**

| Subject Area | Course Name | Credit |
|---|---|---|
| English | Amer. Lit or AP Language | 1.0 |
| Soc. Studies | American Studies III or AP U.S. Government | .5 |
| Soc. Studies | | .5 |
| Phy Ed | Phy Ed III or Lifetime Fitness or Slinger Strength | .5 |
| Math | | 1.0 |
| Science | | .5 |
| Science | | .5 |
| Business | Personal Finance (can be taken junior or senior year) | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| TOTAL | | 7.0 |

**SENIOR**

| Subject Area | Course Name | Credit |
|---|---|---|
| English | | .5 |
| English | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| Elective | | .5 |
| TOTAL | | 6.0 |

**TOTAL CREDITS REQUIRED FOR GRADUATION = 25.50**

# CAREER CLUSTERS

Welcome to the Slinger Career Clusters. The road to Career decision-making is often a difficult and confusing one. Career Clusters can serve as a map to help you steer in the right direction.

Careers in this booklet are divided into six main "clusters"
(1) Agriculture, Food and Natural Resources
(2) Arts and Communication
(3) Business and Marketing
(4) Health Care
(5) Human Services
(6) Science, Technology and Engineering

Each of these career clusters includes a variety of occupations that range in preparation from a high school diploma to a college Ph.D. Still, all of the jobs in any one cluster appeal to the same general set of interests and abilities. People generally find most of their potential career choices in the same cluster.

As you explore each cluster you will find a short explanation about each of the career clusters, a list of interests and abilities associated with the people who work in these careers, sample careers divided by the amount of education normally required for entry and a list of recommended courses Slinger High School offers.

For eighth and ninth graders, this booklet will hopefully serve as a map to be studied to increase their awareness of the variety of occupations available for their exploration. Tenth graders will be encouraged to identify with a specific cluster and select courses to more specifically prepare them for their chosen area. During the junior and senior years, students will continue to narrow their focus.

## OTHER RESOURCES

Counselors and teachers are available to assist students in selecting appropriate courses and in making career decisions.

Through our school website www.slinger.k12.wi.us students can visit their career cruising account and link to information on specific careers which may aid in the career exploration and decision making process.

Individual career cruising accounts can be accessed through student resources on the Slinger High School website.

# AGRICULTURE, FOOD & NATURAL RESOURCES

Do you have: a passion for eating food?
a love of animals?
a desire to work outdoors?
aspirations to become a strong leader?
goals of improving your communication and study skills?
a preference of working with your hands?
an interest in learning to grow your own food?

## About This Cluster

Agriculture provides us with the basic necessities of life – including food, clothing, and shelter. Only 2% of the population is responsible for producing the food, fuel, and fiber we use every day, but almost half of all Americans work in agriculture related business. Between the farmer on the tractor, the chef at a restaurant, the actress in a fast food commercial, or YOU, the consumer of agricultural goods – the Agriculture, Food and Natural Resources industry is surely one of the most important and impactful industries in the world! The diversity of this growing industry means opportunities are endless for students!

## Sample Careers in Agriculture, Food & Natural Resources

**High School or Technical College Degree**

- Landscape Gardener
- GPS Technician
- Arborist
- Welder
- Animal Trainer
- Fish Hatchery Worker
- Gardener
- Farm Equipment Sales
- Veterinary Technician
- Irrigation Specialist
- Mechanic

**College or Advanced Degree**

- Agriculture Teacher
- Fish & Game Warden
- Agriculture Engineer
- Veterinarian
- Wildlife Biologist
- Golf Course Manager
- Park Ranger
- Geneticist
- Loan Officer
- USDA Meat Inspector
- Food Scientist

Students seeking an advanced college degree are recommended to take 4 years of each subject in addition to World Language. Beyond that, students are encouraged to take the following elective credits.

- Introduction to Agriculture A
- Introduction to Agriculture B
- Large Animal Science
- Small & Companion Animal Science
- Plant Science
- Wildlife & Natural Resources
- AP Biology
- Econmoics
- Ag Business Management
- Employability Skills
- Wildlife & Natural Resources
- Ag Leadership & Communication

# ARTS & COMMUNICATION

Do you have: a desire to entertain and perform?
an ability to communicate well?
a very creative side to your personality?
talent in art, music, writing, speaking?
an ability to express feelings and ideas in writing?
an interest in expressing feelings and ideas by performing?

## About This Cluster

Communications media is, in a sense, the nervous system of our society. People in these fields facilitate communications between people and over long distances. Efficient electronic methods have replaced people in some areas. In addition, the areas of television reporting and commercial photography are competitive and jobs in these areas will go to the most talented.

## Sample Careers in Arts & Communication

| **High School or Technical College Degree** | **College or Advanced Degree** |
|---|---|
| Artist | Broadcaster |
| Graphic Designer | Editor |
| Recording and Sound Technician | Music, Art or Graphics Teacher |
| Camera Operator | Producer |
| Photographer | Radio and Television Announcer |
| Dancer/Actor/Singer | Writer/Author |
| Interior Designer | Multi-Media Designer |
| Costumer | Graphic Communications Management |
| Set Designer | Photo Journalist |
| Animation/Multimedia | Choreographer |
| Audio and Video Equipment Technician | Musician |
| Press Operator | Graphic Design |

Students seeking an advanced college degree are recommended to take 4 years of each subject in addition to World Language. Beyond that, students are encouraged to take the following elective credits.

Computer Applications I
Computer Applications II
Intro to Public Speaking
Media Literacy
AP Literature
Drawing & Painting I & II
Drawing Studio/Portfolio
Illustration & Animation
Choir or Band
Design
Marketing I & II

Photography/Video
Advanced Photography
Creative Writing
Great Minds in the Western World
Slinger Strength
3-D Modeling I & II
World Language
Graphics
Employability Skills
Personal Finance
Sculptures & Crafts I & II

Painting Studio/Portfolio
Music Theory
Illus., Photoshop, InDesign
Intro to Web Design& Animation
Arch. Design I & II
Design for Manufacturing
Techno-Art
Graphic Design & Specialty Printing

# BUSINESS & MARKETING

Do you have: an interest in working with computers and other technology?
an ability to work with numbers?
an interest in writing letters, filing and preparing reports?
an ability to perform detailed work?
an ability to give speeches, debate and persuade?
good people skills?
a natural ability for leadership?
an interest in planning and directing activities?

## About This Cluster

Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business career opportunities are available in every sector of the economy. Education and specialized training in the field of business and marketing are more important than ever. Technical College or a 4-year college is essential for higher-level jobs in almost any area and at every level computer training will be needed. Retraining will be essential to keep up and adjust to new development brought about by technology.

## Sample Careers in Business & Marketing

**High School or Technical College Degree**

Accounting & Audit
Counter and retail clerk
Court Reporter
Data Entry Keyers
Desktop Publishers
Copy Writers
Dispatchers
Executive Assistants
Graphic Designer
Library Assistant
Logisticians
Medical & Legal Assistant
Telemarketer
Payroll and Timekeeper
Multi-Media Designer

**College or Advanced Degree**

Accountant
Advertising and Promotions Agent
Auditors
Budget Analysts
Systems Analysts
Engineering Managers
Financial Analysts/Managers
Operations Manager
Human Resources Manager
Marketing Managers
Medical & Health Mangers
Sales Representative
Public Relations Manager
Private Sector Executive

Students seeking an advanced college degree are recommended to take 4 years of each subject in addition to World Language. Beyond that, students are encouraged to take the following elective credits.

Computer Applications I
Computer Applications II
Marketing I
Accounting I & II
Economics
Media Literacy
Employability Skills
Personal Finance

AP Statistics
Intro to Public Speaking
Marketing II
Marketing III-Sports&Entertainment
International Business
Intro to Web Design & Animation
Entrepreneurship
Computer Programming
CAPP Accounting

AP Computer Science
Graphics
Intro. To Engineering I & II
Principles of Engineering
Techno-Art
Graphic Design & Specialty Printing

# HEALTH CARE

Do you have: a concern for people and their problems?
the ability to be alert and composed in a crisis?
good physical skills and enjoy activities which promote physical stamina?
an ability to think critically and creatively?
the ability to be flexible? Do you enjoy varied tasks?
the ability to work as part of a team?
natural leadership?
a thoughtful, sensitive and patient demeanor?
the ability to be accurate?

## About This Cluster

The Healthcare field is one of the fastest growing career clusters with numerous opportunities. In the upcoming years, this field is expected to add the most employment in Wisconsin. Health Care, with its advanced technologies and high degree of specialization, offers many individual challenges. The health services industry has responded to the trends toward low cost medical care with new market forces and changes in its delivery system making this an exciting field. Anyone who is willing to accept such changes will find that the health care field promises a wide variety of career choices.

## Sample Careers in Health Care

| **High School or Technical College Degree** | **College or Advanced Degree** |
|---|---|
| Dental Assistant & Hygienists | Anesthesiologists |
| Diagnostic Medical Sonographers | Athletic Trainers |
| Emergency Medical Technicians | Chiropractors |
| Home Health Aides | Family and General Practitioners |
| Massage Therapists | Dietitians and Nutritionists |
| Registered Nurse | Physicians Assistant |
| Medical Transcriptionists | Pharmacists |
| Radiological Technician | Psychologists & Psychiatrists |
| Surgical Technician | Veterinarian |
| Medical Records & Health Information Tech | Social Worker |
| Chiropractic Technician | Physical Therapist |
| Anesthesia Technologist | Dentists |
| Phlebotomy Technician | Optometrist |

Students seeking an advanced college degree are recommended to take 4 years of each subject in addition to World Language. Beyond that, students are encouraged to take the following elective credits.

Biology
AP Chemistry
AP Biology
Developmental Biology
Sociology
Global & Domestic Issues
AP Psychology
Slinger Strength
AP Language/Literature
World Literature

Parenting & Child Care
Child Care & Development
Lifetime Fitness
College Writing
Employability Skills
Personal Finance
Physics
Chemistry
AP Statistics/Calculus
Anatomy & Physiology

Intro to Psychology
Computer Applications I & II
Computer Applications II
Principles of Engineering
Intro to Engineering
CNA
PLTW – Biomedical Sciences I, II, III, IV
Leadership & Lifeskills

# HUMAN SERVICES

Do you have: a desire to help people?
an interest in helping others learn new things?
an ability to get along with a wide variety of people?
enjoy providing services to others?
enjoy reading about society?
enjoy sharing ideas with others?
like working as part of a team?
like being in charge of planned activities?
enjoy volunteering or serving your community, state, or nation?

## About This Cluster

Variety is the key feature of the jobs in the Human Services area. These jobs provide important functions in our communities. People in these jobs will be working in the hospitality and recreation field, public and community services, or family/consumer and personal services. The hospitality and recreation field is for those who like the idea of a career that helps people enjoy their free time and the time they spend away from home. The jobs of workers in public and community services are necessary to keep the nation and state running smoothly and efficiently.

## Sample Careers in Human Services

**High School or Technical College Degree**
Cosmetologist
Child Care Worker
Fitness trainer or Aerobics instructor
Flight Attendant
Food Server
Esthetician or Dermatologist
Teacher Assistant
Social and Human Service Assistant
Broadcaster
Funeral Service
Interpreter Technician
Culinary Artist
Protective Services

**College or Advanced Degree**
Teacher
Clinical or School Psychologist
Dietitian and Nutritionist
Marriage and Family Therapist
Rehabilitation Counselor
Sales Manager
Recreation Director
Sociologist
Substance Abuse Counselor
Loan Counselors
Insurance Sales Agent
Educational Administrator
Social Worker

Students seeking an advanced college degree are recommended to take 4 years of each subject in addition to World Language. Beyond that, students are encouraged to take the following elective credits.

Intro to Psychology
Global & Domestic Issues
AP Psychology
Law & You
Art Courses
Parenting & Child Care
Child Care & Development
Intro to Public Speaking

Slinger Strength
College Writing
Employability Skills
Personal Finance
Lifetime Fitness
AP Language/Literature
Skills for Living
Personal Finance
Great Minds of the Western World

Enjoying Light Meals
World Literature
Economics
Sociology
Foreign & Domestic Cuisine
Computer Applications I
Computer Applications II
Leadership & Lifeskills
Intro to Education

# SCIENCE, TECHNOLOGY & ENGINEERING

Do you have: an aptitude in mathematics and/or science?
the ability to communicate?
a preference for working with your hands?
the curiosity and ability to solve problems using creativity?
an interest in figuring out how things work?
the ability to operate and fix machines?
an interest in working with metals, plastics, or wood?
an interest in planning and supervising a project or completing parts of a project?

## About This Cluster

Science, technology and engineering is a fast growing field. Computer usage is on the rise and students will find a healthy outlook in computer related careers. Engineering fields cover a wide variety of areas including manufacturing, electrical, structural and environmental. Construction with all of its related fields is an enormous industry in Wisconsin but one that is tied closely to the economy and is one of the first fields hit by recession and economic change. Jobs in construction will go to those who have obtained training and have up-to-date skills.

## Sample Careers in Science, Technology & Engineering

**High School or Technical College Degree**
Metal Fabrication/Welder
Automotive Technician
Tool and Die Maker
Medical Equipment Repairers
Electronics Technician
Graphic Designer
CNC Technician
Quality Assurance Technician
Construction

**College or Advanced Degree**
Mechanical, Civil, or Chemical Engineer
Human Resource Manager
Computer Systems Analyst
Scientist/Mathematician
Civil Drafter
Economist
Industrial Engineer
Astronomer
Meteorologist

Students seeking an advanced college degree are recommended to take 4 years of each subject in addition to World Language. Beyond that, students are encouraged to take the following elective credits.

General Chemistry
Chem in the Community
CAPP Chem I &II
Computer Programming
Employability Skills
Personal Finance
World Literature
College Writing
Woods Technology
Cabinetmaking I & II
Intro to Engineering I & II
3-D Modeling I & II
Metals Technology
Metal Fabrication

Basic Electricity
Digital Electronics
Design for Manufacturing
Building Construction I & II
AP Computer Science
AP Language
CNC Mach. & Manufacturing I
CNC Mach. & Manufacturing II
Digital Photography/Video
Advanced Photography
Intro Animation & Web Design
Graphics I & II
Graphic Design & Spec. Printing

Architecture I & II
Welding I & II
Physics
Principles of Engineering
Trig
AP Calculus
Pre-Calculus
Adobe Photoshop
Adobe Illustrator
Adobe Indesign
Computer Applications I
Computer Applications II

# *REQUIRED COURSE FEES

| Dept. | Course | Course Fee | Material Fee | Reason for Material Fee |
|---|---|---|---|---|
| Agriculture | All classes | | $5 | Supplies used in class |
| Art | Drawing & Painting I & II | $5 | $10 | Supplies used in class |
| Art | Sculpture & Design I & II | $5 | $10 | Supplies used in class |
| Art | Drawing Studio I | $5 | $10 | Supplies used in class |
| Art | Painting Studio I & II | $5 | $10 | Supplies used in class |
| Art | Commercial Design 2D & 3D | $5 | $10 | Supplies used in class |
| Art | Illustration & Animation | $5 | $10 | Supplies used in class |
| Art | Drawing Portfolio Dev. | $5 | $10 | Supplies used in class |
| Art | Painting Portfolio Dev. | $5 | $10 | Supplies used in class |
| Art | Drawing Independent Study | $5 | $10 | Supplies used in class |
| Art | Painting Independent Study | $5 | $10 | Supplies used in class |
| Art | Sculpture Independent Study | $5 | $10 | Supplies used in class |
| Art | Techno Art | $5 | $10 | Supplies used in class |
| FACE | Enjoying Light Meals | $25 | | Food supplies for labs |
| FACE | Foreign & Domestic Cuisine | $25 | | Food supplies for labs |
| Music | All Band | $10 | | Required Class Fee (only needed to be paid once for all music dept. course) |
| Music | All Choirs | $10 | | Covers cost of sheet music |
| Tech Ed | Intro to Engineering I | | $10 | Consumables used for projects |
| Tech Ed | Intro to Engineering II | | $10 | Consumables used for projects |
| Tech Ed | Principles of Engineering | | $10 | Consumables |
| Tech Ed | Graphics I & II | | $10 | |
| Tech Ed | CNC Machining & Manufacturing I | | $20 | Tooling supplies and project material |
| Tech Ed | Metal Fab | $15 | $15 | Welding supplies and project material |
| Tech Ed | Metals Technology | $5 | $15 | Welding supplies and project material |
| Tech Ed | Photography | | $10 | Print paper, ink, DVD, etc. |
| Tech Ed | Woods Technology | | $40 | Projects |
| Tech Ed | Cabinetmaking I | | $25 | Individual project materials |
| Tech Ed | Cabinetmaking II | | Varies | Depends on students' design |
| Tech Ed | Welding I & II | $15 | $15 | Welding supplies and project material |
| Tech Ed | 3D Modeling I & II | | $10 | Materials |
| Tech Ed | Design for Manufacturing | | $10 | Projects |
| Tech Ed | CNC Machining & Manufacturing II | | $20 | Tooling supplies and project material |
| Tech Ed | Architecture I | | $10 | Printing/Model making material |
| Tech Ed | Architecture II | | $10 | Printing/Model making material |
| Tech Ed | Building Construction I | | $25 | Supplies |
| Tech Ed | Basic Electricity | | $10 | Consumables used for projects |
| Tech Ed | Digital Electronics | | $10 | Consumables used for projects |
| Tech Ed | Advanced Photo & Video | | $15 | Consumables for projects |
| Tech Ed | Adobe Illustrator | $5 | $10 | Portfolio, paper, ink |
| Tech Ed | Adobe Photoshop | $5 | $10 | Portfolio, paper, ink |
| Tech Ed | Adobe InDesign | $5 | $10 | Portfolio, paper, ink |
| Tech Ed | Graphic Design & Specialty Printing | $5 | $15 | Materials |
| | | | | |
| | | | | |

# AGRICULTURE, FOOD & NATURAL RESOURCES

| Course | Open To | Credits | Course | Open To | Credits |
|---|---|---|---|---|---|
| Introduction to Agriculture I | 9,10, 11 | ½ | Wildlife Management | 10,11,12 | ½ |
| Introduction to Agriculture II | 9,10, 11 | ½ | Ag Leadership & Communications | 11,12 | ½ |
| Large Animal Science | 10,11,12 | ½ | Agriculture Business Mgmt. | 11,12 | ½ |
| Small & Companion Animal Science | 10,11,12 | ½ | Advanced Agricultural Concepts | 11,12 | ½ |
| Plant Science | 10,11,12 | ½ | | | |

**Introduction to Agriculture I**

½ Credit Semester 9,10,11

Do you have a passion for animals? Are you a fan of food? Introduce yourself to the diverse world of agriculture through a focus of animal production and food processing in the United States! You will experience hands-on activities, projects, and career exploration related to the care and production of animals like cattle, pigs, sheep, horses, dogs, and cats. You will also learn how to prepare and process common foods we grow right here in Wisconsin! This course is a prerequisite to Large Animal Science and Small & Companion Animal Science.

**Introduction to Agriculture II**

½ Credit Semester 9.10,11

Expand your "field" of education! "Cultivate" your knowledge of plants and natural resources with this course! This class will focus on plant production and natural resources management as an introduction to the agriculture industry. You will experience exciting hands-on activities like growing your own plants in the greenhouse and going outside to explore the natural resources around you! This course is a prerequisite to Plant Science and Wildlife & Natural Resources.

*Prerequisite: Introduction to Agriculture I*

**Large Animal Science**

½ Credit Science Semester 10,11,12

This course is designed to provide students with opportunities to expand their existing love for animals or for aspiring veterinarians. Students will become familiar with the anatomy, physiology, genetics, nutrition, health, care, and maintenance of production animals such as beef and dairy cattle, hogs, sheep, chickens, and more! Live animal presentations and hands-on activities, like dissections will be crucial to student success!

*Prerequisite: Introduction to Agriculture I*

**Small & Companion Animal Science**

½ Credit Science Semester 10,11,12

Attention pet lovers or aspiring veterinarians! This course was created for you! In this class you will learn about common species of companion animals, like dogs, cats, horses, and more! Breed identification, nutrition, and maintenance of the animal's health will be emphasized. Individual interest will be encouraged and recognized when possible by allowing live animal presentations and hands-on activities!

*Prerequisite: Introduction to Agriculture I*

**Plant Science**

½ Credit Semester 10,11,12

Looking to get out of the traditional classroom and into the greenhouse? Are you interested in learning how to grow your own vegetables or houseplants? You will learn basic plant anatomy, identification, genetics, reproduction, and garden and houseplant care. You and your classmates will also be responsible for working in the greenhouse to produce hanging baskets, vegetables, and bedding plants for a spring plant sale!

*Prerequisite: Introduction to Agriculture II*

Note: This course runs every other year and will be offered in 2021-2022.

**Wildlife Management**

½ Credit Semester 10,11,12

Calling all outdoorsmen! If you enjoy hunting, fishing, or trapping - this is the place to be! This course will focus on our local wildlife populations and how we can better manage their populations to enjoy them in the years to come. Topics of focus will include wildlife identification, population monitoring, habitat improvement, harvesting & bag limits, and more! Expect to be outside in this class!

*Prerequisite: Conservation of Natural Resources*
Note: This course runs every other year and will be offered in 2021-2022.

**Ag Leadership & Communications**

½ Credit Semester 11,12

Do you have what it takes to be a leader instead of a follower? Do you ever wish you could be more productive? Do you want to become a better person? In this course, students will explore their own learning styles and personality traits, reflect on relationships with others, perfect their ability to communicate, and learn to be part of a strong team. Skills to be successful in high school and beyond will be acquired in this class! Opportunities to be involved in speaking and leadership competitions with the FFA will also be explored!

Suggested coursework: Introduction to Agriculture I and II

**Global & Urban Agriculture**

½ Credit Semester 10,11,12

No matter where you live in the world - we all need food to eat, clothes to wear, and materials to build our homes! However, not everyone does it like we do in the USA! This course will explore how other areas of the world grow, process, and use agricultural goods. We will also investigate how increasingly dense urban populations, such as Milwaukee and Chicago, are finding new ways to grow and produce agricultural goods in their own backyards - and rooftops! Students will sample foods from around the world and have the opportunity to design and build hydroponic and vertical gardens for their own home!

*Prerequisite: Introduction to Agriculture I and II*
Note: This course runs every other year and will be offered again in 2022-2023.

**Wildlife & Conservation of Natural Resources**

½ Credit Semester 10,11,12

Do you have a passion for the outdoors? Do you enjoy Wisconsin's abundant lakes and forests? Are you concerned about their future and how we can better protect them from harm? This class will focus on the ways we interact with and impact our natural environment and local ecosystems. Topics of focus will be global sustainability, including habitat management, and the protection of resources from pollution, invasive species, overharvest, and more!

*Prerequisite: Introduction to Agriculture II*
Note: This course runs every other year and will be offered again in 2022-2023.

**Ag Business Management**

½ Credit Semester 11,12

Did you realize that almost half of Americans work in an agriculture-related business? In this class, we will explore the world of agricultural sales and marketing and learn what it takes to run a successful business! Students will also leave class with the skills needed to be a functioning adult, like preparing a budget, paying bills, applying for credit, insuring your assets, and getting a job!

Suggested coursework: Introduction to Agriculture I and II

**Advanced Agricultural Concepts**

½ Credit Semester 12

As the capstone course in the agricultural program, students will work independently to earn industry certifications to prepare them for life after high school! Students can earn valuable, industry-recognized credentials in Veterinary Medicine, Animal Science, Food Safety & Science, Plant Science, Floral Design, Livestock Evaluation, Meat Science, and more! These certifications are the perfect addition to any resume or job application!

*Prerequisite: Consent of Instructor*

**Advanced Animal Science**

½ Credit Semester 12

Ready to take the next step toward an exciting career in Animal Science? The primary goal of Advanced Animal Science is to develop skills needed to be successful producers of livestock and small animals, as well as lay the foundation for Pre-Veterinary Animal Science, or Biology majors in college. Students will investigate consumer preferences related to animals in local, regional, and global markets, and gain knowledge and skills related to animal physiology, nutrition, reproduction, health, selection, and marketing through hands-on activities, projects, and problems.

*Prerequisite: Large Animal Science OR Small Animal Science*

# ART & DESIGN

| Course | Open To | Credits | Course | Open To | Credits |
|---|---|---|---|---|---|
| Drawing & Painting I | 9,10,11,12 | ½ | Illustration & Animation | 11,12 | ½ |
| Sculpture & Design I | 9,10.11.12 | ½ | Painting Studio II | 11,12 | ½ |
| Techno Art | 9,10,11,12 | ½ | Drawing Portfolio Development | 12 | ½ |
| Drawing & Painting II | 10,11,12 | ½ | Painting Portfolio Development | 12 | ½ |
| Sculpture & Design II | 10,11,12 | ½ | Metal Sculpture Independent Study (also see Tech Ed) | 11,12 | ½ |
| Drawing Studio | 10,11,12 | ½ | | | |
| Painting Studio | 10,11,12 | ½ | Computer Design Independent Study (see Tech Ed) | 11,12 | ½ |
| Commercial Design 2-D & 3D | 10,11,12 | ½ | | | |

At Slinger High School we believe that every student has the ability to be an artist. We believe in the power of hands on learning and the thrill of disciplined work well done. Whether students are with us for a semester, a year, or four years, our hope is that they leave us having discovered that thrill. Our classes are structured sequentially to help students develop strong visual and spatial skills, to become creative and innovative thinkers, and to achieve a level of mastery in the skills, methods and techniques of Art. We teach to the imagination. We believe that learning to think creatively in our discipline will open the door to creative thinking and innovation in a variety of disciplines, vocations, and future careers. In a world where we are bombarded with visual images more than ever, we believe it is imperative that students are trained in the creative and visual arts. Today's young people will be the innovative thinkers, savvy consumers, and visionaries of tomorrow.

### Drawing & Painting I

½ Credit Semester 9,10,11,12

If you like to draw and/or want to get better at drawing (by better we mean more accurate and faster) then this is the class for you. Our goal for this class: no matter what skill level of drawing you are at, you will leave this class better at drawing then when you started. Emphasis of this course will be on building a variety of skills and an understanding of the various techniques used in a drawing, and other 2-dimensional art projects. Projects will include the following processes: Drawing, design, painting and color theory. We will use pencil, ink, charcoal, pastels, and other combinations of black and white or color drawing materials. There is a materials fee for this course.

### Drawing & Painting II

½ Credit Semester 10,11,12

Wow, this class will get you even better at drawing. Emphasis will be on broadening and also refining the drawing and painting skills that were introduced in the prerequisite course. Plus they will be adding colored pencils, watercolors and mixed media to our list of mediums to be used. There is a materials fee for this course.

*Prerequisite: Drawing and Painting I with a "B" average*

### Sculpture & Design I

½ Credit Semester 9,10,11,12

This is an introductory art course designed for students with little or no previous art experience. Emphasis of this course will be on building a variety of skills and an understanding of the various techniques used in a broad range of art projects. Projects will include the following processes: clay sculpture, stained glass and computer design. There is a materials fee for this course.

### Sculpture & Design II

½ Credit Semester 10,11,12

Emphasis of the course will be on 3-dimensional art projects: clay, sculpture, metal design and stained glass. Creative thinking will be a big part of the course. There is a materials fee for this course.

*Prerequisite: Sculpture and Design with a "B" average*

**Techno Art**

½ Credit Semester 9,10,11,12

The emphasis of this course is using computers to create works of art. In our 21st century culture, visual images are everywhere. It is important that students become savvy at creating and understanding those images, as well as developing a broader range of computer skills. This course concentrates on drawing, painting, and 3-dimention design using Adobe Photoshop, Adobe Illustrator, and Adobe Premiere. Students will receive basic training on the primary types of software in which digital artists and designers must be familiar. This includes photo manipulation and composition with Photoshop, text and vector illustration with Illustrator, and creating your own art with a variety of classic art materials and scanning them into the computer for further manipulation. If you like being creative but maybe are unsure of your artistic skill, then this is the course for you.

**Commercial Design 2D &3D**

½ Credit Semester 10,11,12

What is Design? How does it work? In other words, what makes a design both good looking and an effective communication tool? This course will help you become a 'Designer'. Projects include logo design, packaging design, and 3-dimensional sculptural designs. Students will also examine interior and exterior architectural design. Our aim is to make you a more creative and innovative person. Students will learn how to create, develop, and sketch designs and then to refine and finish those designs using the computer, with Adobe Photoshop, and Adobe Illustrator. If you even remotely think you might like a career in any design related occupation than this is the course for you. (No prerequisite needed). There is a materials fee for this course.

**Drawing Studio**

½ Credit Semester 10,11,12

Can I get even better at drawing? You bet you can! Development of intermediate skills in drawing techniques will provide students with a means of getting even better at ART. Design concepts and environment will be explored as related to drawing and media. There is a materials fee for this course.

*Prerequisite: Drawing and Painting II & I with a "B" average*

**Painting Studio**

½ Credit Semester 10,11,12

So, you want to be a painter? This is the course that can make that happen! Emphasis will be placed on painting as a means of self-expression. Development of the understanding of basic painting techniques will provide students with a means of making pictorial statements out of their own experiences. Design concepts and environment will be explored as related to painting. Various media will be used: Acrylic and oil painting is our main focus. Color theory and art history is an intricate part of the class. There is a materials fee for this course.

*Prerequisite: Drawing and Painting II & I with a "B" average*

**Metal Sculpture – Independent Study**

½ Credit Semester 11,12

Students in this class will be creating, designing and building sculptures in metal. To qualify it is recommended that students have at least one of these three prerequisite **Art courses**: Drawing and Painting 2, Sculpture and design 2, or Commercial design 2-D and 3-D, OR the prerequisite **Tech Ed course** Welding 2 and or Metal Fab- This is a limited number independent study course. Students must have the joint consent of Mr. Graziano and Mr. Pokrzywa.

**Painting Studio II**

½ Credit Semester 11,12

Qualified students will be given their own studio space and be expected to complete 3 major paintings per semester. The main goals of this class are: 1) gain a better understanding of color theory and painting techniques, 2) critique artwork, intelligently, according to the elements of a good composition, and its relationship to the painting's content or meaning. There is a materials fee for this course.

*Prerequisite: Painting Studio I with a "B" average and instructor's consent*

**Drawing Portfolio Development**

½ Credit Semester 12

This course is a basic continuation of techniques learned in Drawing Studio I & II as well as developing an increased sensitivity in the selection of subject matter. Students will be creating artwork for their portfolios, worthy of college or art school consideration. Students will also create work to be submitted to high school art contests. There is a materials fee for this course.

*Prerequisite: Illustration & Animation with "A/B" average and instructors consent*

**Painting Portfolio**

½ Credit Semester 12

This course is a basic continuation of techniques learned in painting Studio I and II as well as developing an increased sensitivity in the selection of subject matter. Students will be creating artwork for their portfolios, worthy of college or art school consideration. Students will also create work to be submitted to high school art contests. There is a materials fee for this course.

*Prerequisite: Painting Studio I & *II with "A/B/ average and instructor's consent.*

# BUSINESS EDUCATION

| Course | Open To | Credits |
|---|---|---|
| Computer Applications I* | 9,10,11,12 | ½ |
| Computer Applications II* | 9,10,11,12 | ½ |
| Marketing I | 9,10,11,12 | ½ |
| Accounting I* | 10,11,12 | 1 |
| Accounting II | 11,12 | 1 |
| CAPP Accounting | 11,12 | ½ and or 3 col cr. |
| Marketing II – Advertising and Promotion | 10,11,12 | ½ |

*Articulated courses

| Course | Open To | Credits |
|---|---|---|
| Marketing 3 – Sports & Entertainment | 11,12 | ½ |
| International Business | 10,11,12 | ½ |
| Entrepreneurship | 11,12 | ½ |
| Employability Skills | 10,11 | ½ |
| Personal Finance | 11,12 | ½ |
| Business Internships or Apprenticeships | 11,12 | ½-3 |

**Our Mission**

*The Business and Marketing Departments at Slinger High School strive to develop transferable skills in all students, thus making them more "marketable" in any secondary, post-secondary and career opportunity they pursue.*

**Our Vision**

*We will continue to give our students opportunities to grow by providing assignments, projects and real-world applications that focus on our primary objective of improving students' technological competency, communication skills, and marketability in all facets of life.*

### Computer Applications I*

½ Credit | Semester | 9,10,11,12

Two of the top five skills employers are looking for are the ability to use Microsoft 365 programs and Google effectively. In this class you will learn how to use Word, Excel, Powerpoint and Google in a productive and professionally capacity. Having these skills will you be more employable, but your knowledge and ability to use these programs will allow you to complete homework in high school and college better, faster and more efficiently. There are endless things you can do to documents in Microsoft and Google...don't be in the dark and what you really can do. Finally, you will be able to sit for real Microsoft Certification within Word and Excel real certifications that can be listed on college applications and resumes. Get these skills today, to be more marketable tomorrow

### Computer Applications II*

½ Credit | Semester | 9,10,11,12

The Advanced Computer Applications course will show students tangible ways to utilize intermediate and advanced concepts in computer applications. All students are encouraged to take this course because in today's workforce, having advanced computer technical skills are pertinent to success. Additional real world software application concepts in word processing, spreadsheets, database management, and presentation skills will be emphasized. However, students will be encouraged to relate concepts to their personal lives for better understanding as well as hone their presentation skills to be effective and professional. Students will be eligible to sit for official Microsoft Certification in MS PowerPoint, Word and Excel.

*Prerequisite: Computer Applications (C- or better)*

### Accounting I*

1 Credit | Year | 10,11,12

This course provides students with their first exposure to what is essentially the language of business – financial accounting. Emphasis is placed on the analysis and interpretation of financial information - assets, debt, revenue, expenses, etc. The process of identifying, measuring, and recording financial information in standard reports as well as discussing current issues affecting the data will be stressed. Students will obtain knowledge using both manual and computerized systems to report financial information. Careers and professions that use accounting concepts will be discussed throughout the course. Real-world projects and simulations will all be incorporated into the course.

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**Accounting II**

1 Credit | Year | 11,12

As a continuation of the first accounting course, Accounting II is designed for the student who discovered an interest in an accounting or business-related career. This course will expand on the study of financial accounting theory and practice. Using their analytical and investigative skills learned, students will have a better understanding of how to apply accounting concepts and principles in business-related decision making. More emphasis is placed on careers and real world connections through various accounting-related projects, field trips, and guest speakers. Some of the projects will require students to research and present on ethical issues, financial literacy and recent industry changes in the business world.

*Prerequisite: Grade of "B-" or better in Accounting I and teacher approval.*

**Accounting III**

½ Credit | Year | 11,12

As the final step in your accounting journey and/or students interested in a business or accounting degree, this final course will not only prepare you for this career, but will also allow you to earn college credits. This course is offered as a dual credit CAPP class where students who qualify, register and pay a fee to earn three (3) college credits from UW-Oshkosh if they earn an A, B or C grade and those credits can transfer to most universities. This course is strongly recommended for college bound students who have an interest in a career in business, accounting, and even marketing.

*Prerequisite: Accounting I & II*

**Marketing I**

½ Credit | Semester | 9,10,11,12

That friendly looking curve in the Amazon logo seems like a happy little smile, right, but did you know it's really a curve pointing to the "A" and the "Z" and it is subconsciously telling you that Amazon sells everything from A-Z. Business facts like that and other interesting topics such as; how to understand customers, methods of making products and services better, why is a character like "Tony the Tiger" so memorable, and why in the world would someone buy a limited edition "Turkey and Gravy" flavored soda...not to mention you will get REAL work experience at the Rookery, are just "some" of the things you'll dive into in Intro to Marketing. Join the multitude of other students who have said that this is a super fun and perfect class to take your freshman year!

In addition, this course builds on the foundations of the department vision statement, and will benefit all students regardless of their future education or career goals. Upon completion of this course students will have improved their communication skills through the creative use of presentations and projects. Students will be more "marketable" for schools, scholarships, internships and career/jobs through the various real-world projects, work experience and presentations they complete.

**Marketing 2**

½ Credit | Semester | 10,11,12

Have you ever looked at an ad and thought WOW that's cool or Eek, why did they do that? Well, in this course, students will dive into the final "P" of the 4 P's of Marketing, PROMOTION. Students will better understand how and why communication materials are created and more importantly, why it is so important in brand awareness. Think of how strange it would be if all of a sudden UPS got rid of their famous "BROWN". In addition to learning strategy and perception of brands, students will learn hard skills that can be used in so many facets of life and careers. Students will learn how to use Adobe Illustrator to create print ads and logos, Canva for online ads and WeVideo for commercials. This class is not only fun and interesting, it is very hands-on, ignites creativity and betters students' communication skills through imagery.

*Prerequisite: Marketing I (C or better)*

**Marketing 3**

½ Credit | Semester | 11,12

An all-expenses paid trip to Disney World, sponsored by Southwest Airlines for the premier of Frozen, when you enter a contest on Disney's Facebook page. HOW and WHY would Disney and Southwest do that and do that together? This is just one of those public relation event strategies we dive into in Marketing 3. After fully studying the 4 P's of Marketing in Marketing 1 and 2 students are NOW ready to explore and examine contemporary marketing strategies as they relate to the sports and entertainment industries. Students will learn about sponsorships, endorsement deals, the impact of sports, tourism, hospitality and entertainment and go on a sports and entertainment related field trip. Students will have a blast creating public relation events, show their creative side in developing a sports team and take all the marketing strategies they've learned to create a fun and entertainment movie event. It's a great final marketing class to take during HS.

*Prerequisite: Marketing I and Marketing 2*

**International Business**

½ Credit Semester 10,11,12

America's future is rooted in the global economy. Current events and news headlines guide the direction of this course as students gain a global perspective of economics, political structure and culture. Students will be exposed to topics covering a variety of areas including globalization's impact on day-to-day living and personal finance, cultural customs and traditions, trade, currency, business travel, geography, international marketing and global issues, and career opportunities. The course also incorporates guest speakers from various "walks of life" to share their "international" experiences with students throughout the semester. Classroom concepts are brought to life through these guest speakers, interactive projects and field trips.

**Entrepreneurship**

½ Credit Semester 11,12

Entrepreneurship is more than simply "starting your own business". This course is designed to give students the chance to learn about the world and the economy through the eyes of an entrepreneur. It's much more than a set of knowledge or skills, but it's also a set of attitudes that everyone can benefit from developing. This course is a very dynamic, practical, and hands-on where students are given the opportunity to both practice what they've learned and even practice what they haven't yet learned! A great attitude, work ethic, creativity, and sense of adventure are required for success in this course. Students will have the opportunity to listen to guest speakers share their inspirational stories of how they turned their ideas into reality, by planning and executing their own business.

*Prerequisite: Intro to Marketing suggested.*

**Employability Skills**

½ Credit Semester 10,11

The Employability Skills course walks students through the decisions they will face in the next 5-10 years of their life. Students will learn about a variety of topics including post-secondary options, including school to work programs, career trends, scholarships available, as well as internship and job-shadowing opportunities. Students will also navigate the entire employment process through locating job/internship openings, researching companies, creating professional cover letters and resumes, and completing "mock" interviews. Students prepare a career/employment portfolio as a final culmination of the course.

**Personal Finance (Required)**

½ Credit Semester 11,12

Statistics show that managing your personal finances successfully is a difficult thing. This course is designed to improve the financial literacy of the students to help prepare them for the financial issues they will face in the future. Real world topics covered will include economics, net worth, money management, spending and credit, as well as saving and investing. Students will develop and maintain personal budgets, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

**See School to Work Opportunities in:**

Finance Apprenticeship
Business or Finance Internships
Marketing Internships
The Rookery Management Internships

# COMPUTER SCIENCE

| Course | Open To | Credits | Course | Open To | Credits |
|---|---|---|---|---|---|
| Computer Programming | 10,11,12 | ½ | AP Computer Science | 11,12 | 1 |

Computers have initiated a revolution in information technology making an impact on both economic and social aspects of our society. An awareness of computer literacy and computer instruction should be an integral part of the curriculum since computers are integrated into a variety of disciplines. These computer science courses focus on programming knowledge and skills.

**Computer Programming**

½ Credit Semester 10,11,12

Computer Programming is an introductory course on structured programming. Students learn programming concepts and their applications, using a current programming language.

*Prerequisite: Algebra II recommended grade of "B" or better or Honors Algebra II or concurrent enrollment in Honors Algebra II*

**AP Computer Science**

1 Credit Year 11,12

This course in Computer Science is for college bound computer science majors or Math, Science and engineering majors needing programming. Emphasis is on object oriented programming in Java, problem solving, algorithm development, and elementary data structures. A minimum of 3 hours computer time outside of class is required per week.

*Prerequisite: Computer Programming and Completion or concurrent enrollment in Honors Math IV, or teacher recommendation.*

# DRIVER EDUCATION

**Classroom Phase (Summer School Only)**

¼ Credit 9,10, 11, 12

This course provides the student with the knowledge necessary to obtain a Wisconsin driver's license. A Driver Education course that meets state requirements is required for any student under age 18 who wishes to obtain their temporary permit. Topics covered include laws, signs, signals, maneuvering the vehicle, emergency procedures, alcohol and other drugs, attitudes, emotions, car safety features, and more. Students will benefit greatly from several guest speakers discussing topics such as insurance, crash victims, law enforcement, truckers, motorcyclists, railroad safety, etc. After successful completion of the classroom phase, the student may enroll in a behind-the-wheel course. All classroom instruction is in the summer only.

**Behind The-Wheel Instruction (June – September)**

Students are scheduled in birth date order with the oldest students scheduled first. Registration dates and details are located on the school website and in the parent newsletter every spring. Behind the wheel instruction is offered in the summer only. There is a fee charged.

# ENGLISH

| Course | Open To | Credits |
|---|---|---|
| English 9 –Semester 1 | 9 | ½ |
| English 9 – Semester 2 | 9 | ½ |
| English 10 – Semester 1 | 10 | ½ |
| English 10 – Semester 2 | 10 | ½ |
| English 11 Early American Lit | 11 | ½ |
| English 11 Modern American Lit | 11 | ½ |
| AP Language | 11 | 1 |

| Course | Open To | Credits |
|---|---|---|
| Contemporary Literature | 11,12 | ½ |
| World Literature | 11,12 | ½ |
| College Writing | 11,12 | ½ |
| Introduction to Public Speaking | 11,12 | ½ |
| Creative Writing | 11,12 | ½ |
| Media Literacy | 11,12 | 1/2 |
| Great Minds of the Western World | 11,12 | ½ |
| AP Literature | 12 | 1 |

Mastery of Basic English skills is essential to success in virtually all avenues of life and contributes to an appreciation of human achievement. The English department of Slinger High School seeks to educate students in the four essential skill areas of writing, reading, speaking, and listening in addition to developing higher level thinking skills. Classes are designed to develop these essential skills and encourage an appreciation for their importance. The required classes, English 9, 10, and 11 offer a sequential development in the four skill areas and provide exposure to a wide variety of recognized literature. The required English 11 American Literature courses in the junior year focus on higher-level literature and the skills needed to appreciate and comprehend these works. The elective program allows juniors and seniors to continue developing their English skills in specific areas of need and/or interest.

### English 9

½ Credit Semester 1 9

This required class provides students with an overview of English skills essential to success in the high school. It follows WI State Standards. The course's focus is on literature, writing, and grammar. Units explore short stories, *Animal Farm*, *Romeo & Juliet*, Or *Midsummer Night's Dream*, poetry, and audio and visual texts with an emphasis on literary terms. Writing focuses on expository, creative, and persuasive writing. The course also develops vocabulary.

### English 9

½ Credit Semester 2 9

This required course continues to build on the skills first covered in semester one of English 9. It follows WI State Standards. The course's focus is on literature, writing, vocabulary, and grammar. Thematic units will use *To Kill a Mockingbird* by Harper Lee, *The Crucible* by Arthur Miller, and other short stories, poetry, and nonfiction texts. Writing skills include: analytical research and persuasive formats.

### English 10

½ Credit Semester 1 10

In this required course students will analyze a variety of literature. The course units will contain speech, writing, grammar, vocabulary, research, and literature components that promote higher level thinking and align with WI State Standards. Texts referenced include: *American Born Chinese* by Gene Luen Yang, *Night* by Elie Wiesel, and other short stories, poetry, and nonfiction texts.

### English 10

½ Credit Semester 2 10

This required course continues the path begun by the first semester of English 10. The course units will contain speech, writing, grammar, vocabulary, research, and literature components that promote higher level thinking and align with WI State Standards. Texts referenced include: *Lord of the Flies* by William Golding, and other short stories, poetry, and nonfiction texts.

### English 11: Early American Literature

½ Credit Semester 1 11

This course is divided into five units: American Romanticism and Transcendentalism; Anti-Transcendentalism and *The Scarlet Letter*, Realism/Regionalism/Naturalism; Modern Short Stories; and Poetry & Harlem Renaissance. In these units, students will study classic pieces of American fiction and nonfiction with the goal of improving critical analysis skills, develop reading and writing skills, and prepare for the ACT with ongoing grammar study and reading practice. Students will master important literary terms and concepts by studying their use in important pieces of American literature.

**English 11: Modern American Literature**

½ Credit | Semester 2 | 11

This course, a companion to Early American Literature, guides students through the following units: Modern Novels, Post-Modern Novel, and Post-Modern Metafiction. Students will continue to improve their ability to understand complex literature, hone their analytical and communication skills, and prepare for the ACT. A continuing list of literary terms will permeate each unit.

**Advanced Placement Language**

1 Credit | Year | 11

AP Language and Composition focuses on the use of language in American Literature. By studying the conventions of language, students will see how non-fiction authors like Jon Krakauer, Henry David Thoreau, Ralph Waldo Emerson, Truman Capote, and others manipulated the written word to advance their ideas. Students will learn to craft college level writings for a variety of purposes. In May, the AP Language and Composition student will be eligible to take the AP test, in order to earn college credit.

**Contemporary Literature**

½ Credit | Semester | 11,12

This is a course designed to inspire lifelong readers. Students will work with the teacher to choose the titles they would like to read throughout the semester. Genres of focus may include: mystery/crime, historical fiction, sci-fi, fantasy, modern realistic fiction, and/or memoir. The "seminar" format of the class will have students study contemporary literature to forge connections between the texts and students' own lives, now and in the future. In their exploration, students will work to build their literary analysis and composition skills, as well as hone their interpersonal skills to encourage long lasting reading habits and the appreciation of contemporary literature.

**World Literature**

½ Credit | Semester 2 | 11,12

This elective course is offered as a dual college credit CAPP class where students who qualify, register, and pay a fee can earn three credits at UW Oshkosh and those credits can transfer to most universities. The course is strongly recommended for college bound students, focused on interpreting and analyzing challenging works of world literature, both orally and in writing. Students examine works of literature that cover a variety of genres, cultures, time periods, writing styles, and themes. Units include classics and contemporary novels and dramas, and students develop skills in writing.

*Prerequisite: An "A" or "B+" average in English 10 for juniors, and strong reading and writing skills for seniors.*

**College Writing**

½ Credit | Semester | 11,12

This elective course is offered as a dual college credit CAPP class. Students who qualify, register, and pay a fee can earn three college credits from UW Oshkosh and those credits can transfer to most universities. The course challenges the student to think, write, read, research, and participate at a college level. Students learn advanced forms of writing structures, and utilize the writing process to create essays that focus on description, personal narration, process analysis, and research. Students will read various essays, short stories, and a memoir to develop a college-level voice.

*Prerequisite: An "A" average in English 10 for juniors, and strong writing skills for seniors*

**Introduction to Public Speaking**

½ Credit | Semester | 11,12

This course will introduce you to the skills necessary to successfully construct and communicate your ideas and positions throughout your college experience, in your future profession, and in your civic interactions. Upon completing this course, it will be assumed that you are able to write and deliver informative and persuasive presentations that are organized, audience-centered, researched, and logical. This course is offered as a dual college credit CAPP class where students who qualify, register, and pay a reduced tuition can earn three credits from UW Oshkosh that transfer to most universities.

**Creative Writing**

½ Credit | Semester | 11,12

This course is designed for the student who wants to pursue a serious development of narrative writing skills. Through writing exercises and peer feedback, students will learn to craft compelling short stories, experiment with poetic techniques, and explore script writing through podcasting or film.

**Great Minds of the Western World**

½ Credit | Semester | 11,12

This is a semester elective course designed for juniors and seniors interested in sampling some of "the greats" in philosophy, literature, art, and music. Great Minds of the Western World explores the transformative ideas and creations that have shaped Western thought and culture. Through a study of philosophy, literature, art, and music, students will engage with the works of influential figures such as Socrates, Shakespeare, Da Vinci, and Beethoven. The course fosters critical thinking and aesthetic appreciation, encouraging connections between historical context and enduring human questions. By examining these masterpieces, students gain insights into the evolution of Western intellectual and artistic traditions.

**Advanced Placement Literature**

1 Credit | Year | 12

AP Literature and Composition focusses on interpreting and analyzing challenging works of fiction and poetry, both orally and in writing. Discussion is a key part of this class. Students examine works of literature written in English and translated from other languages that cover a variety of time periods. The course requires significant reading outside of class. In May, the AP Literature and Composition student will be eligible to take the AP test.

**Media Literacy**

½ Credit | Semester | 11,12

This course is the study of the basic factors affecting mass communication in the digital age, the relationships between mass media and technology and history, and trends in radio, television, film, music, the Internet, advertising, visual messages, media law, and ethics. The expectation is to exercise critical analysis of media through readings, discussions, written prompts, prepared oral presentations, scripted podcasts, and scripted video projects.

# SPECIAL EDUCATION

The Exceptional Education curriculum is designed to meet the educational and emotional needs of identified students that cannot be met in the traditional regular education program. The setting and curriculum are chosen on an individual basis, which most appropriately meets one's learning and emotional needs. Our curriculum has been designed to provide students with:

1. Skills necessary for successful independent living;
2. Alternative methods of learning concepts;
3. Alternative curriculum;
4. Accommodations of learning styles;
5. Individual/small group instruction;
6. Assistance in the transition process as students prepare for post-high school education, employment, and independent adult living; and,
7. Adaptations/modifications in the regular education setting as appropriate.

### Functional Math

½ Credit 9,10

The math curriculum focuses on the application of basic math skills to daily life consumer situations. Concepts include: remedial math, time, measurement, money (budgeting, counting, smart-shopping, credit & banking), graphs, insurance, and costs of living.

### Study Skills

¼ Credit 9,10,11,12

Students are given one-on-one support in subject areas in which they are struggling. Class time is used for re-teaching content material, as well as teaching and implementing strategies to help equip students with tools they need to successfully function in high school.

### ILE Literature Special

½ Credit 9,10,11,12

Several courses have been created in literature that provides students an opportunity to read literary classics at a pace that is more moderate. Concepts are taught through activities and assignments using selected books as a vehicle. Time during class is given for oral reading, which serves to motivate reluctant readers. Vocabulary development and reading strategies are taught to make the reading more manageable. Books about children maturing to adults have been selected to make the reading more relevant to students.

### ILE/ILL Independent Learning Courses

There a number of courses in a variety of subject areas that are offered as an outcome based curriculum. An outcome-based course has a set number of units of study to complete in order to receive credit. Students need to demonstrate a mastery of each lesson by earning a certain percentage correct on given assignments. If a student does not achieve the designated percentage, they are given further instruction and redo the assignment. Textbooks for these courses are written at a lower reading level but address high school level concept. There are also a number of courses offered through the Internet that have proven to be motivating. Since these courses are outcome based, they are often a good choice for students who are having significant issues that interfere with traditional instruction.

### COMMUNITY WORK EXPERIENCE

½ - 1 Credits Semester/Year 11,12

Education, learning, and thinking are more relevant to the world of work when students have on-the-job work experiences combined with classroom instruction. The students will begin by identifying personal strengths/weaknesses, identifying specific job duties/tasks, and researching potential jobs placements. The students in this class will then have the opportunity to develop skills and knowledge in a variety of community settings preparing them for a job after high school. Students will practice interviewing, filling out applications, and improving work skills in a real-life setting. With the assistance of a job coach, the students will develop necessary work skills needed for successful future employment.

### Reading

½ - 1 Credit 9,10,11

The focus of this class is to improve reading comprehension, fluency and rate. Students will increase vocabulary through assigned readings, word study exercises and discussions.

## Transitional Math

½ Credit 9,10,11,12

This course examines the application of mathematical skills and processes needed for post-secondary living including banking, measurement, insurance, and taxes.

## Foundations of Math

½ Credit 9,10

This course is two-fold. A portion of the class is dedicated to strengthening basic math skills while the other portion is reserved for pre-teaching and/or re-teaching mathematical concepts and operations found in Algebra.

# FAMILY & CONSUMER EDUCATION

| Course | Open To | Credits |
|---|---|---|
| Enjoying Light Meals | 9,10,11 | ½ |
| Parenting & Child Dev. | 11,12 | ½ |
| Foreign & Domestic Cuisines | 11,12 | ½ |

| Course | Open To | Credits |
|---|---|---|
| Child Care & Development | 11,12 | ½ |
| (Asst. Child Care Teacher Certificate Program) | | |
| Child Care Internships | 12 | ¼ - 1 |

### Enjoying Light Meals

½ Credit Semester 9,10,11

Interested in improving your cooking skills? Here's a chance to enjoy planning, preparing, and serving quick nutritious meals for yourself and friends. The class will explore a variety of preparation methods through lab experiences. A course fee is required.

### Foreign & Domestic Cuisines

½ Credit Semester 11,12

This course studies and practices more complex recipes, food preparation techniques and food customs. Students apply skills to the planning and preparation of local and international meals. A course fee is required.

*Prerequisite: Enjoying Light Meals unless you are in Grade 12*

### Parenting & Child Development

½ Credit Semester 11,12

This course will provide students with a deep understanding of child development from prenatal stages up to age five, utilizing the PIES framework to encompass all aspects of growth and learning. Students will gain an understanding of the complexity and diversity of children and their development and the role of parenting throughout the stages of development. Students also have the opportunity to experience parenting an infant through the use of the RealCare Infant Simulator. This course is the first required course for students interested in the Assistant Childcare Teacher (ACCT) Certificate Program.

### Child Care and Development

½ Credit Semester 11,12

This course emphasizes working with children especially in a day care center or pre-school environment. Curriculum builds upon students' knowledge of child development, using that background to integrate strategies in caring for children within early childhood professions. Students will study, visit, and observe in pre-school and day care facilities to understand the work of child caregivers and how to guide children in developmentally appropriate practices, activities and curriculum. Other topics include day-to-day operations in a childcare setting, positive relationships in the childcare setting and adequately meeting the physical, intellectual, emotional and social needs of children and understanding the responsibilities of early childhood education professionals. This course is the second required course for students interested in the Assistant Childcare Teacher (ACCT) Certificate Program.

*Prerequisite: Parenting and Child Development*

**See School to Work Section for:** Assistant Child Care Teacher & Child Care Internships

# MATH

## Course Sequence

| 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|---|---|---|---|
| 1-Honors Geometry | 1-Honors Algebra II | 1-Honors Math IV | 1-AP Calculus |
| 2-Honors Geometry | 2-Honors Algebra II | 2-Honors Math IV | 2-AP Statistics |
| 3-Honors Geometry | 3-Honors Algebra II | 3-Trig/Pre Calc | 3-AP Statistics |
| 4-Honors Geometry | 4-Algebra II | 4-Trig/Pre Calc | 4-AP Statistics |
| 5-Geometry | 5-Algebra II | 5-Trig/Pre Calc | 5-AP Statistics |
| 6-Honors Algebra I | 6-Honors Geometry | 6-Honors Algebra II | 6-Honors Math IV |
| 7-Honors Algebra I | 7-Honors Geometry | 7-Honors Algebra II | 7-Trig/Pre Calc |
| 8-Honors Algebra I | 8-Honors Geometry | 8-Algebra II | 8-Trig/Pre Calc |
| 9-Honors Algebra I | 9-Honors Geometry | 9-Algebra II | 9- Algebra II Retake |
| 10-Honors Algebra I | 10-Geometry | 10-Algebra II | 10-Trig/Pre Calc |
| 11-Honors Algebra I | 11-Geometry | 11-Algebra II | 11-Algebra II Retake |
| 12-Algebra I | 12-Geometry | 12-Algebra II | 12-Trig/Pre Calc |
| 13-Algebra I | 13-Geometry | 13-Algebra II | 13-Algebra II Retake |
| 14-Algebra I | 14-Geometry | 14- Algebra II Survey | 14-Algebra II |
| 15-Algebra Survey | 15-Algebra I | 15-Geometry | 15-Algebra II Survey |
| 16-Algebra Survey | 16-Algebra I | 16-Geometry | 16-Algebra II |

### Course Offerings

| Course | Credits | Course | Credits | Course | Credits |
|---|---|---|---|---|---|
| Algebra Survey | 1 | Geometry | 1 | AP Statistics | 1 |
| Algebra I | 1 | Honors Algebra II | 1 | Trigonometry | ½ |
| Honors Algebra I | 1 | Algebra II | 1 | Pre-Calculus | ½ |
| Honors Geometry | 1 | Algebra II Survey | 1 | Honors Math IV | 1 |
| | | | | AP Calculus | 1 |

The math department believes that math is a progressive learning process with basic concepts leading to more complex understanding. It is felt that all students that graduate from Slinger High School should be able to:

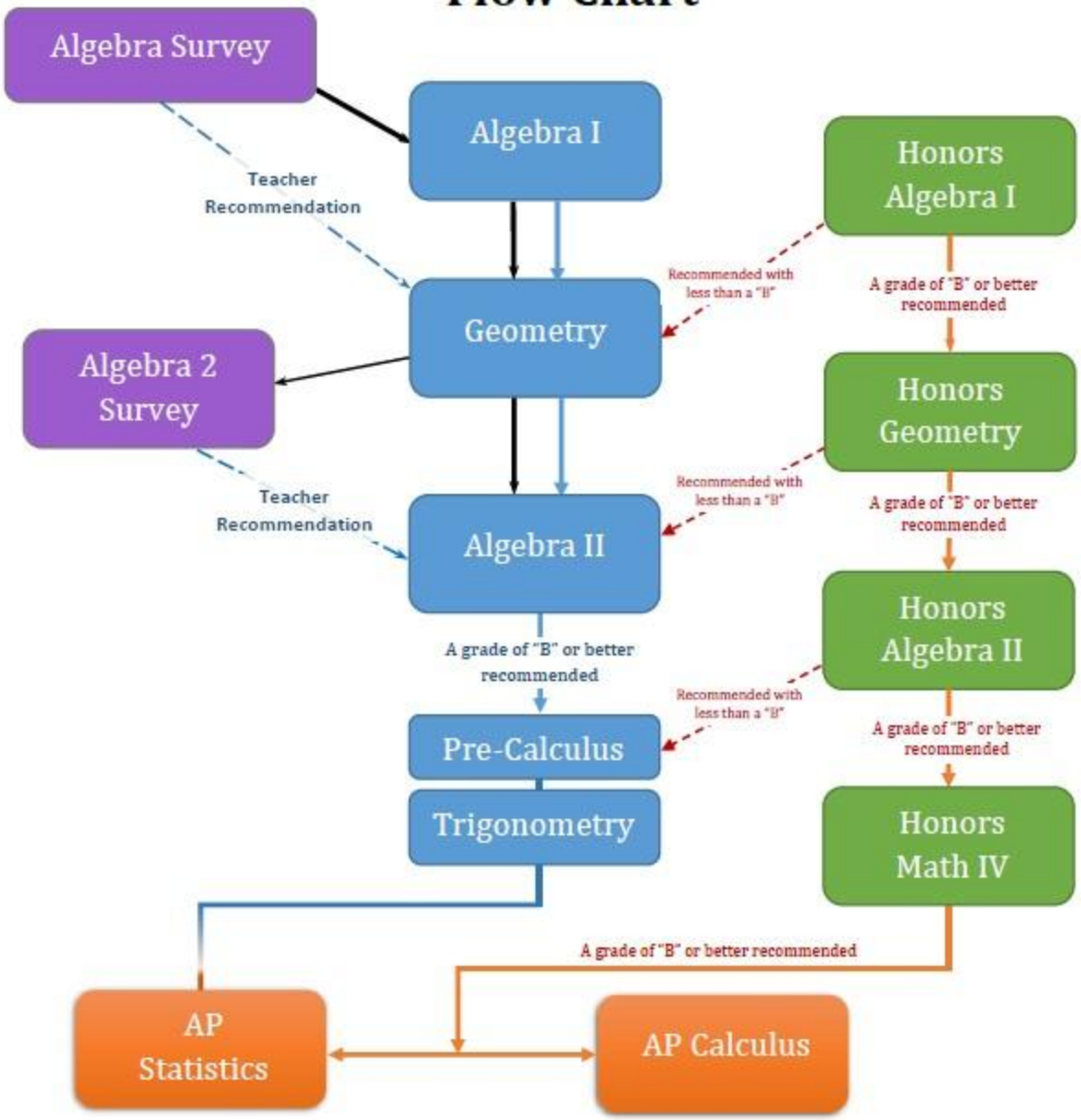
1. Develop skills and knowledge of concepts necessary for decision making in personal living;
2. Have the opportunity to take up studies in mathematics that meet their needs in preparation to meet career goals and;
3. Take courses to qualify them for their education schools and colleges.

Math instruction is recognized as basic to survival in modern society and an important goal of mathematics instruction is the development of student's ability to solve problems. Therefore, all required math courses are in line with the common core standards in Mathematics.

Slinger High School

# Mathematics Curriculum

## Flow Chart




**Graduation Requirements**

SHS requires 3 math credits to graduate, which is the same number of credits required by all UW college admissions. Students are required to take 1 credit each of their freshmen, sophomore, and junior years. It is recommended that college-bound students should also take a 4th credit of math their senior year.

SLINGER MATH DEPT

**Algebra Survey**

1 Credit Year 9

This course is designed for students who have not yet been recommended to take Algebra I. Topics from earlier math courses are reviewed, while some topics from Algebra I are introduced and studied at a slower pace. Homework will be assigned daily. A scientific calculator is required.

*Prerequisite: Teacher recommendation*

**Algebra I**

1 Credit Year 9,10

This course is designed for students of average math skills. Daily objectives are set. Various activities are included to enhance student participation. Note taking is required as well as completion of daily assignments. Calculators may be used at times to develop student confidence. Students solve problems involving topics in line with the common core standards in Mathematics. Successful completion is a prerequisite for Geometry and all other advanced math courses. A scientific calculator is required.

*Prerequisite: Teacher recommendation*

**Honors Algebra I**

1 Credit Year 9

Honors Algebra I is the foundation course for all other math courses in the sequence to be taken by above average math students. Algebraic concepts are developed through lecture/demonstration and practiced through classroom exercises and daily written assignments. Calculators may be used at times to develop student confidence. A scientific calculator is required.

*Prerequisite: Teacher recommendation*

**Honors Geometry**

1 Credit Year 9,10

Honors Geometry is an intensified geometry program designed for above average math students. Two column formal deductive proofs are emphasized, as well as the use of theorems to solve numerical problems. Example problems and proofs are presented and students are expected to do daily written homework on similar material. A scientific calculator is required.

*Prerequisite: Honors Algebra I recommended grade of "B" or better or teacher recommendation*

**Geometry**

1 Credit Year 9,10,11

Geometry is designed for our average math student and is a prerequisite for further advanced math courses. By using geometric tools and manipulative devices, students discover geometric concepts. Students will solve problems involving topics in line with the common core standards in Mathematics. Calculators may be used at all times to develop student confidence. A scientific calculator is required.

*Prerequisites*: *Honors Algebra I with less than a "B" average or Completion of Algebra I, or teacher recommendation*

**Honors Algebra II**

1 Credit Year 10,11

This course is a continuation of the Honors Algebra I and Honors Geometry sequence. It is designed for students wishing to excel and to be challenged in their math studies. Topics from Honors Algebra I and Honors Geometry will be reviewed and studied at a more in-depth level. New topics include those covered in Algebra II with an emphasis on problem solving. Honors Algebra II is a prerequisite for Honors Math IV and is recommended for above average math students interested in a math-science career. Homework will be assigned daily. A graphing calculator is required (TI-84).

*Prerequisite: Honors Algebra I & Honors Geometry recommended grade of "B" or better or teacher recommendation*

**Algebra II**

1 Credit Year 10,11,12

Algebra II is designed for average math students who wish to continue their study in math. Algebra II is a prerequisite for other advanced math classes and is recommended for college or vocational school bound students in the non-math/science fields.

Topics from Algebra I are reviewed and studied at a more in-depth level. In addition, students are introduced to complex numbers & exponential, logarithmic, and trigonometric functions. A graphing calculator (TI 84) is recommended.

*Prerequisite: Geometry/Algebra I recommended grade of "A or B" in both, Completion of Honors Geometry or Algebra II Survey, or teacher recommendation*

**Algebra II Survey**

1 Credit Year 11,12

This course is designed for students who have completed Algebra and Geometry, but did not earn higher than a "B" average. Algebra II curriculum is still covered (complex numbers, exponential, logarithmic, and trigonometric functions), however topics from Algebra I are reviewed and studied at a more in-depth level in order to grasp the Algebra II concepts more easily. Homework will be assigned daily. A scientific calculator is required.

*Prerequisite: Completion of Algebra I and Geometry with less than a "B" average in both classes or teacher recommendation*

**AP Statistics**

1 Credit Year 11,12

This course is designed for the student whose career path will require work with statistics regardless of intended major. The course includes exploration of data, planning a study, anticipating patterns and statistical inference. The exam will use graphing calculators; therefore, all students enrolled in the course are required to have their own graphing calculator (TI-84). Students are eligible to take the AP exam for college credit in spring.

*Prerequisite: Completion or currently enrolled in Honors Math IV or Trig/PreCalc with teacher recommendation*

**Trigonometry**

½ Credit Semester 11,12

This course is designed for the student whose career path will require some work with trigonometry. The course includes the study of the six trigonometric functions and the relationships between these functions. Students considering college should consider taking this course, unless they are enrolled in Honors Math IV. A graphing calculator (TI-84) is required.

*Prerequisite: Algebra II recommended grade of "B" or better, Honors Algebra II with less than a "B" average or teacher recommendation*

**Pre-Calculus**

½ Credit Semester 11,12

This course is a continuation of trigonometry. The course is designed to strengthen algebraic math skills and to introduce higher-level math concepts. Students considering college should take this course unless they are in Honors Math IV. A graphing calculator (TI-84) is required.

*Prerequisite: Completion of Trigonometry with recommended grade of "C" or better or teacher recommendation*

**Honors Math IV**

1 Credit Year 11,12

Honors Math IV is designed for students who have successfully completed Honors Algebra II and wish to prepare for AP Calculus (AB or BC), or College Calculus. This is an Honors level precalculus course which goes further in-depth with concepts covered in Honors Algebra II, with a heavy emphasis on trigonometry. Honors Math IV is a challenging course which encourages students to analyze mathematical processes and work many non-routine problems. Homework will be given daily, and students are expected to put in time outside of class and seek help from their teacher when needed. A graphing calculator is required (TI-84).

*Prerequisites: Honors Algebra II recommended grade of "B" or better or teacher recommendation*

**AP Calculus AB**

1 Credit Year 12

This is the culminating course in the accelerated math curriculum and is designed to give students the opportunity to experience college calculus. Limits, continuity, derivatives, and integrals are the major topics studied. Students can earn college calculus credit by successfully completing the AP Calculus exam. Testing techniques similar to the AP exam will be used when possible. Students are eligible to take the AP exam for college credit in the spring.

*Prerequisites: Honors Math IV recommended grade of "B" or better or teacher recommendation*

**AP Calculus BC**

1 Credit Year 12

This is the advanced version of the culminating course in the accelerated math curriculum and is designed to give students the opportunity to experience 2 semesters of college calculus. All of AP Calculus AB content, polar functions, sequences, and series are the major topics studied. Students can earn college calculus credit by successfully completing the AP Calculus BC exam. Testing techniques similar to the AP exam will be used. Students are eligible to take the AP exam for college credit in the spring.

*Prerequisites: AP Calculus AB or Honors Math IV with Instructor approval.*

# MUSIC

| Course | Open To | Credits |
|---|---|---|
| Treble Choir | 9 | 1 |
| Concert Chorale | 9,10,11,12 | 1 |
| Chamber Singers | 10,11,12 | 1 |
| Vocal Jazz | 10,11,12 | 1 |
| Men's A Cappella | 10,11,12 | 1 |

| Course | Open To | Credits |
|---|---|---|
| Concert Band | 9 | 1 |
| Symphonic Band | 10,11,12 | 1 |
| Music Theory | 9,10,11,12 | ½ |
| Advanced Music Theory | 10, 11, 12 | ½ |
| Jazz Lab | 9,10,11,12 | 1 |
| Jazz Ensemble | 10,11,12 | 1 |
| Wind Ensemble | 10,11,12 | 1 |

### Freshman Choir

1 Credit | Year | 9

Freshman Choir is a non-selective mixed choir comprised of freshman. The students will acquire the skills, abilities, understanding, and attitudes necessary to express themselves vocally as individual singers and as members of a choral ensemble. They will perform a variety of music. The choir rehearses every other day and students will be assigned lessons outside of class.

### Concert Chorale

1 Credit | Year | 10,11,12

Concert Chorale is a non-auditioned group of sophomore, junior and senior mixed voices. The students will develop the skills, abilities, understanding and attitudes necessary to express themselves vocally as individual singers and as members of a choral ensemble. They will perform a variety of SAB and SATB music. The choir rehearses every other day and individual or small group lessons are required.

### Chamber Singers

1 Credit | Year | 10,11,12

Chamber Singers is the top vocal group selected through audition. The students will continue to develop the skills, abilities, understanding, and attitudes necessary to express themselves vocally as individual singers and as members of a choral ensemble. Students will perform quality choral literature from a variety of cultural and historical contexts. The choir rehearses daily and individual or small group lessons are required. This choir is generally for juniors and seniors only.

*Prerequisites: Audition and consent of instructor*

### Vocal Jazz

1 Credit | Year | 10,11,12

This small, select group performs various styles of music from jazz, barbershop, pop, swing, gospel, blues, and Broadway show tunes. Students learn different vocal styles and techniques associated with the different styles of music they perform.

*Prerequisite: Must be a member of Concert Chorale or Chamber Singers, audition and must have consent of instructor.*

### Men's A Cappella

1 Credit | Year | 10,11,12

This small, select group performs various styles of music from the modern a cappella genre, including but not limited to barbershop, pop, swing and Broadway. Students learn different vocal styles and techniques associated with the music they perform.

*Prerequisite: Must be a member of Concert Chorale or Chamber Singers, audition and must have consent of instructor.*

### Concert Band

1 Credit | Year | 9

Concert Band is made up of freshmen. Although this band is primarily a training band, the band has full instrumentation and performs at all concerts. The emphasis is preparing students for the next level of performance through rehearsals, lessons, skills studies, and concert performances.

**Symphonic Band**

1 Credit | Year | 10,11,12

The Symphonic Band is made up primarily of sophomores, juniors, seniors and some selected freshmen. The band provides the opportunity for students to more fully understand and appreciate music. This is accomplished through the rehearsal and performance of selected music that is appropriate for this setting. The band rehearses daily and required small group and individual lessons are offered, where the fundamentals of instrumental performance are taught. During the football season, our marching band and Symphonic Band are the same class. All 10th – 12th grade band students need to select "symphonic band" for enrollment in the band program.

**Music Theory**

½ Credit | 1st Semester | 9.10,11,12

It is the intent of this course to offer a basic knowledge of music theory. Active participation in band, choir or private music lessons is required. Emphasis in the course will be on basic notation, chord structure, rhythm, terminology, and composition.

**Advanced Music Theory**

½ Credit | 2nd Semester | 10,11,12

Advanced Music Theory is for those students who have successfully completed music Theory and have teacher permission to enroll in Advanced Music theory. These students need to be actively involved in band, choir, or private music lessons.

**Jazz Lab**

1 Credit | Year | 9,10,11,12

This ensemble is a group of less-experienced instrumental Jazz performers with an emphasis on learning the styles of big band. Latin, rock, pop, swing, and funk music with an emphasis on beginning improvisation. Participation in this ensemble is by audition only or by consent of the instructor. Director will make selection to this ensemble.

**Jazz Ensemble**

1 Credit | Year | 10,11,12

This course offers another dimension in performance repertoire and includes music from the "big band era", pop, rock, funk, Latin, and blues straight-ahead swing. There are various combo opportunities offered. Instrumentation includes trumpets, saxophones, trombones, rhythm (guitar, bass drums, and auxiliary percussion). Director will make selection to this ensemble.

*Prerequisite: Must be a member of the Wind Ensemble Symphonic Band or Concert Band or must have consent of instructor.*

**Wind Ensemble**

1 Credit | Year | 10,11,12

The Wind Ensemble is our top concert performance ensemble. Membership is chosen by audition and may include sophomores, juniors, and seniors. The band rehearses daily. Small group and individual lessons are required where the fundamentals of instrumental performance are taught.

# PHYSICAL EDUCATION & HEALTH

| Course | Open To | Credits | Course | Open To | Credits |
|---|---|---|---|---|---|
| Freshmen Seminar | 9 | ½ | Skills For Living | 10,11,12 | ½ |
| Physical Education I | 9 | ½ | Slinger Strength I &II | 9,10,11,12 | ½ |
| Physical Education II | 10 | ½ | Lifetime Fitness | 9,10,11,12 | ½ |
| Physical Education III | 11,12 | ½ | Zero Hour Fitness | 10,11,12 | ½ |

The philosophy of the Physical Education Department is to provide a variety of psychomotor experiences to the students of Slinger High School. At the ninth grade level a base of skill development will be emphasized as well as an introduction to lifetime sports. As the students progress through grades 10-12 the skill levels will increase to allow for the increases of ability and strength of the students. By the completion of their final semester of Physical Education, students will have a broad understanding of lifetime sports. Full participation and positive behavior is the key to success in class.

### Freshmen Seminar

½ Credit Semester 9

This course is required for all freshmen. It is designed to give freshman an orientation to high school life as well as help students acquire knowledge related to certain skills for living. Students will become acquainted with high school life, high school activities and other facets of high school life. Traditional health related topics will include self-esteem, careers, character education, mental health and suicide prevention, nutrition, shaken baby syndrome prevention, health relationships, human growth and development, abstinence, AODA, CPR, sexual harassment and decision making and consequences related to all health topics.

### Physical Education I

½ Credit Semester 9

This class is an introductory course to the high school physical education series. The students will be given the opportunity to develop skills and knowledge in team and individual sports. The emphasis will be on personal fitness, participation with proper conduct, and sportsmanship. Each marking period will be divided into units with written tests and skill work. Units will include drills for skill practice and improvement, rules, and lead up games. Handouts will accompany each unit. Units include a selection of flag football, soccer, badminton, volleyball, tumbling, physical fitness, disc golf, softball and tennis. Students will also participate in fitness development each day in the class.

### Physical Education II

½ Credit Semester 10

This course is designed for sophomore students who have successfully completed Physical Education I. It is designed to help teach students to socially interact and develop an attitude of cooperation. They will also be given the opportunity to develop their physical abilities. Emphasis is placed on team sports, but students will be introduced to lifetime activities. Each grading period (quarter) will be divided into units with either a written test, skill test, or both at the end of each unit. Included in the units will be sections on rules, skill development drills, lead-up games, game strategies, and actual game competition. A handout will accompany each unit. Units included a selection of: flag football, tumbling, badminton, softball, disc golf, pickleball, physical fitness, speedball and weight lifting. Students will also participate in fitness development each day in the class.

*Prerequisite: Successful completion of Physical Education I*

### Physical Education III

½ Credit Semester 11,12

The course is designed for junior and senior students who have successfully completed Physical Education I and II. And, like Physical Education II, this course is designed to teach students social interaction and cooperation. They will also be given the opportunity to develop their physical abilities. Emphasis is placed on team sports. However, lifetime activities will again be introduced. Marking periods will be divided into units with written and/or skill tests. Units will include greater emphasis on game strategy and competition rather than on rules and individual skills. Units that may be included in the class will be as follows: tennis, softball, physical fitness, volleyball, weight lifting, disc golf, spikeball, pickleball and soccer. Students will also participate in fitness development each day in the class.

*Prerequisite: Successful completion of Physical Education I & II*

**Skills for Living**

½ Credit Semester 10,11,12

Skills for Living is a semester-long class that will explore different areas of health/wellness and focus on developing and improving decision-making skills to help young adults strive to live healthier and happier lives. The purpose of this course is to further explore these areas that are relevant to teenagers in today's world. Students will also begin to realize the responsibility they possess to improve their health and how they can impact others. Topics that will be covered in class include: health and wellness, current events, the teenage brain, 7 Habits of Highly Effective Teens (crash course), 6 Most Important Decisions (book written by Sean Covey), stress management, mental health awareness, CPR/First Aid/AED, and leadership exploration.

**Lifetime Fitness**

½ Credit Semester 9,10,11,12

This course is designed as an elective for any students, or as a replacement for Physical Education II & III. The purpose of this course is to promote the development and maintenance of lifetime fitness. This course will cover the meaning and importance of fitness, muscular fitness, flexibility, cardiovascular fitness and design of a personal exercise program. Activity units may include: weight training, circuit training, aerobics, step aerobics, power walking, biking, aerobic sports, jumping rope, meditation and stress relief practices.

**Senior Physical Education**

½ Credit Semester Second Sem11, or 12

This Physical Education course will be an elective course to expose seniors or 2nd semester juniors to more game play. Team sports and other strategic games will be covered in the units. Rules and strategies will be a part of instruction. Many of the games that will be covered can be played as an adult to help promote lifetime fitness and movement. Students will focus on rules, strategies, fitness through activity and teamwork. A fitness component will be incorporated to meet the current Wisconsin Physical Education standards and curriculum.

*Prerequisite: Successful completion of 1 ½ credits of required Physical Education classes.*

**Zero Hour Strength**

½ Credit Semester 10,11,12

This class is for those who desire more scheduling flexibility and are self-motivated to perform well. In this course, students will be developing their own personalized exercise plan. They will collaborate with various professionals, coaches, etc. to create a PEP that best meets their fitness goals or athletic training needs. Students will implement their PEP throughout the semester. Classes will meet prior to the 7:25 regular school start time.

**Leadership & Life Skills**

½ Credit Semester 9,10,1112

This class is primarily experientially based and emphasizes the importance of communication, character, personal growth, and building strong relationships and teams. Also covered will be listening skills, synergy, perceptions, conflict resolution, personality styles and group formation. A variety of initiatives will be used to facilitate the learning of skills and, along with various media, reinforce those skills throughout the semester by using the "Character Strong" curriculum. Students can also earn CPR, AED, and First Aid certification as part of this course. Additional topics to be covered in class are: personal story, current events, reflections, readings, CPR/AED/First Aid Certification and Character Strong Curriculum (8 Essential Qualities).

**Slinger Strength I**

½ Credit Semester 9,10,11,12

This course is designed to develop physical abilities that increase fitness and athletic performance. Proper technique will be taught so students can excel in any physical activities they undertake. Introductions to key components of Speed/Agility and Weight Training will happen daily.

**Slinger Strength II**

½ Credit Semester 9,10,11,12

This course is advanced, with a more focused concentration on muscular strength, explosive power and speed/agility. Proper technique on more complex lifts will be a key component. Advanced Speed/Agility concepts will be covered throughout the course.

*Prerequisite: Successful completion of SlingerStrength or teacher approval*

# SCHOOL TO WORK

| Career Pathways | Open To | Credits | Career Pathways | Open To | Credits |
|---|---|---|---|---|---|
| Agriculture | 11-12 | ½ - 1 | Graphics Arts/Printing | 11-12 | ½ - 1 |
| Business or Finance | 11-12 | ½ - 1 | Health Care | 11-12 | ½ - 1 |
| Child Care | 11-12 | ½ - 1 | Asst. Child Care Teacher (ACCT) | 11-12 | ½ -1 |
| Education | 11-12 | ½ - 1 | Construction | 11-12 | ½ - 1 |
| Manufacturing | 11-12 | ½ - 1 | Hospitality | 11-12 | ½ - 1 |
| STEM | 11-12 | ½ - 1 | Transportation | 11-12 | ½ - 1 |
| Marketing | 11-12 | ½ - 1 | | | |
| Information Technology | 11-12 | ½ - 1 | | | |

## APPRENTICESHIP PROGRAMS

The Wisconsin Youth Apprenticeship program meets the requirements for work-based learning under the statewide school-to-work criteria. High school juniors and/or seniors receive academic and technical instruction in the classroom and on the job. The experience is designed to give students exposure to all aspects of an industry. In addition to classroom related instruction students will have paid, mentored work-based learning for a minimum of 900 hours (Two-Year). The one-year program (Level 1) requires a minimum of 450 paid, mentored work-based learning. Upon successful completion of the program, and obtaining a high school diploma, students will be awarded a Certificate of Occupational Proficiency by the Wisconsin Department of Workforce Development. Contact the School-to-Work Coordinator for information on programs available.

*Prerequisite: Students need to apply for the apprenticeship program during the second semester of their sophomore year (for Two-Year programs) or junior year (for Level 1 programs). Students will be screened and interviewed. Contact the School to Work coordinator for eligibility requirements and program availability.*

## INTERNSHIP PROGRAMS

Internships help students move from school to the workplace by offering "hands-on" learning, in real work settings, for either a semester or yearlong period of time. The experience is designed to give students a better sense of the jobs within a particular business or industry; to provide students with information about all aspects of the business; and, to aid them in understanding through experience the works of business or industry.

*Prerequisite: Students <u>are required</u> to have taken an introductory class in the subject area and be enrolled in an advanced class related to their career interest during their senior year. For eligibility requirements see the School to Work coordinator. Students will be screened and interviewed before admission to the program.*

### Agriculture

<u>½ - 1 Credits Per Sem.</u> <u>Semester/Year</u> <u>11-12</u>

This work experience program is designed for any student pursuing a career interest in the agriculture area. Areas of experience can range from farm operations to veterinary assistant. Placements are limited to availability in our geographic area or willingness of student to travel to a job site outside of the immediate Slinger/Washington County region. Credit earned is based on number of hours worked outside of school.

### Business or Finance

<u>½ - 1 Credits Per Sem.</u> <u>Semester/Year</u> <u>11-12</u>

This work experience program is designed for any student pursuing a career in the business or finance area. Areas of experience can range from banking, secretarial, accounting/bookkeeping, and computer services to marketing. Placements are limited to availability in our geographic area or willingness of student to travel to a job site outside of the immediate Slinger/Washington County area. Credit earned is based on number of hours worked.

**Child Care**

½ - 1 Credits Per Sem. Semester/Year 11-12

This work experience program is designed for any students interested in pursuing a career in child care services, pre-school education, or elementary education. Placements are limited to availability in our geographic area or willingness of student to travel to a job site outside of the immediate Slinger/Washington County area. Credit earned is based on number of hours worked. Work-based experiences may be paid or volunteer.

**Construction**

½ - 1 Credits Per Sem. Semester/Year 11-12

This work experience program is designed for any students interested in pursuing a career interest in Construction and/or the Trades. Students participating in this pathway will choose between the skilled trades of Carpentry, Electrical, Masonry/Concrete, Mechanical/HVAC, and Plumbing/Sprinkler Fitting. Placements are typically paid positions. Credit earned is based on the number of hours worked.

**Education**

½ - 1 Credits Per Sem. Semester/Year 11-12

This work experience program is designed for any student interested in pursuing a career in elementary or secondary education. Placements are unpaid, voluntary positions with teachers in the Slinger School District and may be limited to availability. Credit is based on the number of hours worked during a week.

**Graphic Arts**

½ - 1 Credits Per Sem. Semester/Year 11-12

This work experience program is designed for any students interested in pursuing a career in the graphics arts/printing field. Placements are limited to availability in our geographic area or willingness of student to travel to a job site outside of the immediate Slinger/Washington County area. Credit earned is based on number of work-based hours.

**Health Care**

½ - 1 Credits Semester/Year 11-12

This work experience program is designed for any students pursuing a career in the health services industry. Placements may be voluntary or paid opportunities. Placements are limited to availability in our geographic area or willingness of student to travel to a job site outside the immediate Slinger/Washington County area. Credit earned is based on number of hours worked.

**Hospitality**

½ - 1 Credits Per Sem. Semester/Year 11-12

This work experience program is designed for any student interested in pursuing a career Hospitality, Lodging, and Tourism. Hospitality, Lodging & Tourism encompass the management, marketing, and operation of restaurants, lodging, attractions, recreation events, and travel related services. Placements are typically paid positions. Credit earned is based upon number of hours worked.

**Information Technology**

½ - 1 Credits Per Sem. Semester/Year 11-12

This work experience program is designed for any student interested in pursuing a career interest in IT. The Information Technology Pathway involves careers in the design, development, support, and management of hardware, software, multimedia, and systems integration. Placements are typically paid positions. Credit earned is based upon number of hours worked.

**Manufacturing**

½ - 1 Credits Per Sem. Semester/Year 11-12

This work experience program is designed for any student interested in pursuing a career interest in the manufacturing field. There are many pathways in this career cluster such as: Assembly and Packing, Manufacturing Processes, Machining, Welding, Production Operations Management, and Industrial Equipment Maintenance. Placements are typically paid positions. Credit earned is based upon number of hours worked.

**Marketing**

½ - 1 Credits Per Sem. Semester/Year 11-12

This work experience program is designed for any student interested in pursuing a career interest in Marketing. Students participating in this pathway will choose between Professional Sales, Merchandising, Marketing Communications, Marketing Research, or Marketing Management. Placements are typically paid positions. Credit earned is based upon number of hours worked.

**STEM/Engineering**

½ - 1 Credits Per Sem. Semester/Year 11-12

This work experience program is designed for any student interested in pursuing a career interest in the Engineering or STEM fields. Anyone interested in going to school for engineering should consider an internship as you will gain valuable hands on skills relating to engineering. Placements are typically paid positions. Credit earned is based upon number of hours worked.

**Transportation**

½ - 1 Credits Per Sem. Semester/Year 11-12

This work experience program is designed for any student interested in pursuing a career interest in the automotive service industry. Students participating in this pathway will choose between Collision Repair, Non-structural Analysis, Painting and Refinishing, Auto Service, Auto/Light Truck System, Planning and Purchasing, Inventory Management and Production, Storage and Warehousing, Distribution and Transportation. Placements are typically paid positions. Credit earned is based upon number of hours worked.

**SKILLS CERTIFICATE PROGRAM**
**Assistant Child Care Teacher (ACCT)**

1 Credit Year 11-12

Students taking Parenting and Child Development and Child Care and Development courses may apply for the Assistant Child Care Teacher Skills Certificate. Students will combine in-class instruction with job shadowing experiences to earn a skills certificate issued by the Wisconsin Department of Public Instruction. Upon completion of the program students will be allowed to work in a licensed day care center at age 17.

*Prerequisites: Students must take Parenting and Child Care Development and Child Care and Development to receive this certificate.*

# SCIENCE

| Course | Open To | Credits |
|---|---|---|
| Natural Science 9 | 9 | 1 |
| Biology 10 | 10 | 1 |
| Ecology | 11,12 | ½ |
| Chemistry in the Community | 11,12 | 1 |
| Zoology | 11,12 | ½ |
| Developmental Biology | 11,12 | ½ |
| AP Physics | 11,12 | 1 |
| Biomed Sequence: | | |
| • Yr 1 PBS | 9 | 1 |
| • Yr 2 HBS | 10 | 1 |

| Course | Open To | Credits |
|---|---|---|
| Principles of Engineering/ Physics for Engineering | 11,12 | 1 |
| Anatomy and Physiology | 11,12 | ½ |
| General Chemistry | 10,11,12 | 1 |
| CAPP Chem I &II | 11,12 | 1 |
| AP Biology | 11,12 | 1 |
| Advanced Projects in Science Independent Study | 12 | ¼ or ½ |

Students must understand both the process and concepts of science. Activities are provided in the required science courses that involve students in: 1) predicting unknown data from data that is known; 2) understanding a thought sequence based on simple logic; 3) dealing with simple abstract ideas; 4) visualizing simple models; 5) discovering cause-and-effect relationships; 6) intuitively dealing with proportions; 7) demonstrating independence in conducting investigation; 8) measuring and using quantitative data; 9) showing awareness and knowledge of the diversity, change, and organization of their environment; 10) showing an interest in science as it may affect their lives and careers; 11) describing the way science, as a human enterprise; has developed, 12) relating their personal interaction with science and technology to the interaction of the whole of society; 13) providing transitional and some formal reasoning experiences; 14) motivating students to use their process skills in true investigations; and, 15) emphasizing scientific literacy through written and verbal expression. Students electing to take four years of science will be provided the following additional activities: 1) using logical thought processes as part of their normal thinking; 2) making a formal hypothesis that includes a possible cause and predicts a possible outcome; 3) designing a controlled experiment; 4) including mathematical relationships in conclusions; 5) expressing proportional relationships; 6) practicing and refining their abstract problem-solving skills; 7) demonstrating competence in most laboratory skills; 8) planning and conducting a complete investigation; 9) describing scientists as humans who have the same emotions, problems, and concerns as people in other enterprises; 10) responding to the issues raised by the interaction of science, technology, and society by using accurate science knowledge; 11) motivating students to make science a part of career choice.

### Natural Science 9

1 Credit Year 9

This year-long, required course explores the physical aspects of the universe that surrounds us. Early studies will focus on the principles and laws that govern and explain the interactions between matter and energy. Topics will include the laws of motion, energy and its various forms, gravity and other forces, and fluid mechanics. Later units will explore the physical nature of the world we live in by examining the earth's structure and processes and the organization and dynamics of our universe. Using an integrated approach, the class will emphasize the fundamental skills of science, inquiry and discovery learning, and applications of science and the scientific method.

### Biology 10

1 Credit Year 10

The first semester of Biology will explore genetic variations among living organisms. A variety of organisms and their ecosystems will be studied, in order to teach the concepts of natural balance and energy flow in the biosphere. This will include discussions concerning interspecies relationships, along with the impact of humans on ecosystems and biodiversity. Aspects of experimental design, problem solving techniques and note-taking skills will also be emphasized throughout the entire course.

The second semester of Biology will emphasize the similarities among all living organisms. Topics will include the growth and development of organisms through gene expression and cell differentiation, the maintenance of the body through homeostasis, and biochemistry.

**Ecology**

½ Credit | Semester | 11,12

Ecology is the study of how living factors interact with each other and their environment. This class will examine different levels of an ecosystem by looking at adaptation of organisms, environmental succession, bioaccumulation and the importance of biodiversity. We will also look at the impact humans have had on the planet by looking at chemical and biological air and water quality indicators. Additionally, we will explore the causes and effects of global warming. This class will utilize both lecture and labs and is appropriate for students who have an interest in the outdoors and our natural environment!

*Prerequisite: Successful completion of Biology 10*

**Chemistry in the Community**

1 Credit | Year | 11,12

The course content is developed from such technological issues in our society as water and air quality, natural resource conservation, and health concerns of drugs, food, and nuclear energy. Many experiments are used to demonstrate the chemical principles needed to understand the relationship of chemistry to societal issues. This year long course is designed primarily to help students to 1) realize the important role that chemistry will play in their personal and professional lives; 2) use principles of chemistry to think more intelligently about current issues they will encounter that involve science and technology; and, 3) develop a lifelong awareness of the potential and limitations of science and technology.

*Prerequisite: Natural Science 9, Biology 10*

**Zoology**

½ Credit | Semester | 11,12

Zoology, the study of animal life, is a course designed for students pursuing careers in biology or simply wishing to learn more about the dynamic world of animals. The course will survey many of the major phyla with emphasis on each phylum's anatomy and physiology as they relate to respiration, circulation, digestion, nervous response, movement, and reproduction. A comparative approach will be employed as students examine the similarities and differences among the major groups of animals. Whenever possible, students will work hands-on with both living and non-living representative specimens of each phyla. The class will be a blend of lab and lecture.

*Prerequisite: Successful completion of Biology 10*

**AP Physics**

1 Credit | Year | 11,12

Physics is designed for those students with desire to pursue careers in the science, math, or engineering fields. Physics is designed to provide the students with an introductory background in the areas of vectors, kinematics, dynamics, circular motion, statics, work, energy, momentum, gravitation and wave motion. The course is highly mathematical and many of the ideas are developed through solving problems. Classroom demonstrations and student-conducted experiments reinforce and develop concepts.

*Prerequisite: Concurrent enrollment or completion of Honors Math IV or Trigonometry.*

**Anatomy and Physiology**

½ Credit | Semester | 11,12

This course is designed as a prep course for college bound or special interest students. The course deals with cells and tissues, along with an in-depth study of the digestive, nervous systems, and skeletal systems. Technical terminology addressing human anatomy and physiology will be covered. Note-taking skills will be emphasized.

*Prerequisite: 1 credit of Biology 10 with a "B" or better and consent of instructor. Student taking PLTW (year 2 of Biomed Sequence) should **not** take Anatomy and Physiology.*

**Principles of Engineering/Physics for Engineering**

1 Credit | Year | 11,12

This course provides opportunities for students to apply academic and technical knowledge and skills to solve problems. More and more jobs demand advanced skills, requiring people to be able to learn, reason, think creatively, make decisions, and solve problems. An understanding of science, technology, engineering and math, and their methods, contribute in an essential way to these skills. Principles of Engineering is designed to provide students with hands on experience in areas such as Fluid power, Materials, Mechanisms, Electrical circuits, Energy Communication, Design and Project Management to name a few. Suggested related courses: 3D Modeling I and II.

*Prerequisite: Introduction to Engineering*

**General Chemistry**

1 Credit | Year | 10,11,12

This course is recommended for those looking for a rigorous science course and those interested in a four-year college. Chemistry is the study of the physical and chemical properties of matter. Experimental evidence is used to develop an understanding of the physical and chemical changes occurring in matter. Qualitative and quantitative relationships involved in the gas laws, conservation laws, periodic law, chemical equilibrium, and chemical kinetics are emphasized. It is a flipped and mastery-based program that allows for more one on one instruction with the teacher. General Chemistry is one of the basic core courses prospective college students should take to adequately prepare for the demands of college courses. The course is designed for students who want a solid experimental background in chemistry. An inductive approach to the development of the chemical principles in nature is used. Abstract reasoning skills are stressed as students develop mental and mathematical models from careful observations and graphical analysis of physical and chemical changes.

*Prerequisite: Algebra I with a "C" or better.*

*Prerequisites for sophomores: "A" or "A-"in Natural Science 9, and approved by a Natural Science Instructor.*

**CAPP Chemistry I**

½ Credit | Semester | 11,12

This is the first semester of the 1-year Chemistry 105/106 course sequence, which is specifically designed to meet the needs of science majors and preprofessional students. Topics covered include: atomic theory, atomic and electronic structure, chemical bonding, mole concept, stoichiometry, state of matter, formulas and equations, solutions and colloids.

*Prerequisite: General Chemistry or Chemistry in the Community with a grade of "A" or "B" and recommendation of Chemistry teacher*

**CAPP Chemistry II**

½ Credit | Semeseter | 11,12

This is the second semester of the 1-year Chemistry 105/106 course sequence, which is specifically designed to meet the needs of science majors and preprofessional students. Topics covered in Chemistry 106 include: molecular structure, chemistry of metals and selected nonmetals, intermolecular forces, chemical equilibrium. Prerequisites: Chemistry 105 with a grade of (C) or better and either completion of Math 104 with a grade of C or better, completion/placement of any higher math course. (4+3) (Fall-Spring) Special fees may apply.

*Prerequisite: CAPP Chemistry I*

**AP Biology**

1 Credit | Year | 11,12

This course is designed for students with a high interest in science. Topics included in the course are those generally covered in a college biology course. This course differs significantly from the regular biology course with respect to the textbook used, range and depth of topics covered, the kind of laboratory work done, and the time and effort required of students. Big Idea 1: The process of evolution drives the diversity and unity of life. Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis. Big Idea 3: Living systems store, retrieve, transmit and respond to information essential to life processes. Big Idea 4: Biological systems interact, and these systems and their interactions possess complex properties.

*Prerequisites: One full year of Chemistry with "B" average and signature of AP Biology instructor required. Anatomy & Physiology and Developmental Biology both strongly recommended if planning to take AP Exam*

**Advanced Projects in Science Independent Study**

¼ or ½ Credit | Semester | 12

This course is designed for students with a high interest in science and who wish to do original research. Students will develop a question that will be researched using laboratory research techniques. The results of the research will be presented to the Slinger High School science department for review. The project may also be presented at local, regional, or state scientific conferences or competitions. The student must get acceptance for the project by a Slinger High School science department faculty member who voluntarily agrees to act as a mentor/supervisor for the proposed project. Students should plan to begin the project early in the first semester and complete it by early April of the second semester. Students would meet with a supervising teacher for a minimum of one hour each week for advice and consultation.

*Prerequisite: Two of the following with "B" or better: AP Chemistry, General Chemistry, Chemistry in the Community or Physics (or concurrent enrollment); and two of the following: AP Biology, Developmental Biology, Anatomy and Physiology, Zoology, Ecology, and recommendation of teacher in your area of interest.*

## Biomed Sequence

### Principles of the Biomedical Sciences

1Credit Year 9,10

Analyze the evidence found at a crime scene and help the medical examiner uncover clues left on a body to solve a mystery. Question, diagnose, and propose treatment and care for patients in a family medical practice. Track down the source of a mysterious outbreak at a local hospital. Access and stabilize a patient during an emergency and prepare for medical surge and mobile medical care. Collaborate with professionals in other fields to innovate and design solutions to local and global medical problems. Whether seeking a career in medicine or healthcare or simply looking for the challenge of real-world problems, students in Principles of Biomedical Science will practice how to think creatively and critically to innovate in science and will gain practical experience with experimental design and the design process.

### Human Body Systems

1Credit Year 10,11

Step inside the human body and explore the systems that help us move, protect us from disease or injury, and facilitate communication within the body and with the outside world. Solve a medical mystery. Analyze a medical case file and diagnose disease. Design experiments to explore structure and function of the human body. How do the systems of the body work together to keep us well?

*Prerequisite: Must have completed Principles of Biomedical Sciences as a freshman.*

### Medical Interventions

1Credit Year 11,12

Follow the fictitious Smith family as you learn about the prevention, diagnosis, and treatment of disease. Play the role of biomedical professionals to analyze case information and diagnose and treat your patients. Investigate the medical interventions of the past and present, and begin to brainstorm the innovations of the future.

*Prerequisite: Must have completed Human Body Systems*

### Biomedical Innovations

1Credit Year 11,12

You are about to embark on detailed missions in science and medicine. Apply all you have learned in the Biomedical Sciences pathway to solve problems, design solutions, and complete each medical mission.

*Prerequisite: Must have completed Medical Interventions with an average ≥ 80%*

# SOCIAL STUDIES

| Course | Open To | Credits | Course | Open To | Credits |
|---|---|---|---|---|---|
| World Studies | 9 | 1 | Sociology | 11,12 | ½ |
| AP Human Geography | 9 | 1 | Introduction to Psychology | 10,11,12 | ½ |
| American Studies I & II | 10 | 1 | AP Psychology | 11,12 | 1 |
| AP US History | 10,11,12 | 1 | Global & Domestic Issues | 11,12 | ½ |
| American Studies III | 11 | ½ | The Law & You | 11,12 | ½ |
| AP US Government & Politics | 11,12 | 1 | Economics | 11,12 | ½ |
| AP World History | 11,12 | 1 | Intro to Education | 11,12 | ½ |

### World Studies

1 Credit | Year | 9

World Studies first semester involves the social, political, economic, and cultural history of ancient European societies to the French Revolution and Russia including WWII to the Holocaust through the end of the cold war. World Studies second semester involves the social, political, economic, and cultural history of Africa, the Middle East, South Asia, China and East Asia. In both semesters of World Studies, students will analyze primary and secondary historical sources to understand how people and events influence the modern world.

### AP Human Geography

1 Credit | Year | 9

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. This course is best suited for those students with strong social studies (reading, writing, etc.) skills, a desire to study social studies in depth, and challenge themselves. (1 credit – satisfies 'World Studies' requirement)

### American Studies I & II

1 Credit | Year | 10

This is a two-semester course devoted to the study of American history from pre-colonial times to the present. Students will spend both semesters analyzing American history from a variety of perspectives. Students will learn to see cause-and-effect relationships, to analyze the difference between fact and inference, to read and analyze maps, and to appreciate how the present has been shaped by our past. Furthermore, students will engage in primary source, secondary source, and research analysis of American trends, which pertain to the various historical periods. Students read, write, and speak like historians.

### AP US History

1 Credit | Year | 10,11,12

This AP course in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. It prepares students for college courses by making demands upon them equivalent to introductory college courses. Students should learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course thus develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

### American Studies III

½ Credit | Semester | 11

American Studies III is a survey of the U.S. Government Structure, systems and political processes focusing on constitutional structures and foundations. Content will include factors that influence national, state, and local government. This course prepares students to become responsible and aware members of American society.

**AP US Government & Politics**

1 Credit | Year | 11,12

Does America's government today still hold to the principles established in the U.S. Constitution? Have special interest groups corrupted the U.S. Congress and the Presidency? Is the Electoral College still the best way to choose our President? These and many other issues will be investigated during this year-long course. AP US POGO is an in-depth study of our American Government with a two-part focus. The first is to prepare students for the AP United States Government and Politics exam in May. The second is to produce active citizens in our democratic republic. Assignments will include textbook and supplemental readings, political and governmental simulations, as well as, project-based learning.

**AP World History**

1 Credit | Year | 10,11,12

This course is a detailed examination of world events dating back to the dawn of agriculture and the first creation of urban areas. Course will focus on the themes of human advancement and interaction. Students will develop a strong factual base of world history as well as gain analytic skills of primary source documents. Students will learn about cultural advancements throughout the world over time, and how such changes created profound impact. Students are eligible to take AP test for college credit at course end.

**Sociology**

½ Credit | Semester | 11,12

Students taking this elective introductory sociology class gain an understanding of the basic concepts and foundations of sociology, including the concept of sociological imagination and primary methods used in the field. Emphasis is on analyzing social life and human behavior. The most important objective in the course is for students to apply the sociological perspective to a student selected and customizable regional topic involving people and place. Students will also explore various social institutions such as family, religion, and education as well as other areas of sociological inquiry, such as culture, crime and deviance, socialization, stratification, work, health, mass media, race and ethnicity, and communities and change. Students analyze demographic data, concepts, and terms from a sociological lens. This is a must-have class for those looking to develop soft skills to interact with people from a variety of backgrounds and for those considering work in any human service field. Interactions with the local community, data driven student-led discussion, critical thinking exercises, work culture, and local culture are often stressed. Sample past local culture themes have included gathering places, social infrastructure, water, transportation, firefighting, music, recreation, innovation and design, racing, skiing, manufacturing, construction, veterans groups, health & wellness, and more. (This course can be taken for CAPP or non-CAPP credit. Sophomores considering CAPP are required to see the instructor for a discussion about eligibility requirements; this meeting is not required for juniors or seniors considering CAPP).

**Introduction to Psychology**

½ Credit | Semester | 10,11,12

Psychology is the scientific study of behavior and mental processes and this course introduces the major ideas and themes of psychology. Topics are wide ranged as we spend our time reading and learning about the different psychological theories that have been proposed such as theories about mental health, dreams, brain functions, how we learn, etc. Intro to Psychology will focus on teaching not only those themes and ideas but also necessary skills (reading, writing, analyzing) for students to use in any situation (i.e. other classes, ACT tests, college, etc.). This course will take a more hands on approach and allow students to study and learn the depths of psychology and how one studies and approaches it with the guidance and support of the teacher and peers. Class provides excellent background for any student wanting to pursue a career in such areas such as business, nursing, teaching, or human relations. (Not required pre-requisite for AP Psychology) (a good introduction to a college-level Psychology course). Student must have an A in both English and World Studies to Take class as a sophomore.

**AP Psychology**

1 Credit | Year | 11,12

The AP Psychology course examines psychological facts, principles and phenomena associated with each of the major subfields within psychology. This course is designed to present an experience equivalent to that obtained in an undergraduate introductory psychology course. In doing so, the students will complete material that most colleges require in order to take upper level courses in psychology. The students will also be prepared for the Advanced Placement examination in Psychology administered in May by the College Board.

**Global and Domestic Issues**

½ Credit Semester 11,12

Global and Domestic Issues will allow students to examine in great depth a variety of different topics currently impacting our world. Students will, through the methods of lecture, discussion, project based work, embedded videos, and occasional guest speakers analyze our current war in Afghanistan, as well as origins of our War on Terror. We will also analyze the phenomena of extremist behavior in our country as well as school violence. Students during the semester will also have a number of "big" topics they will be working to gain expertise on regarding current or recent events.

**The Law and You**

½ Credit Semester 11,12

Law and You is for students who want both a practical as well as theoretical knowledge of the law and related issues. Issues include government structure at both Federal and State levels, criminal law, juvenile justice, torts, family law, and individual rights and liberties. Case studies and historical decisions are analyzed and discussed, as well as modern legal system issues.

**Economics**

½ Credit Semester 11,12

Economics is a one-semester course designed to give students a solid background in economic theory and reality. The course will be structured around the traditional framework of microeconomics, macroeconomics, international economics, and current events. Specifically, students will examine such economic concepts as supply and demand, corporate structures, market structures, factors of production, money and banking, competition and monopoly, government taxation and spending, the Federal Reserve and monetary policy, international trade, wages, and entrepreneurship. This course is especially valuable for those students planning a career in business, law, or government; however, all students can benefit with knowledge and insights revolving around all of these content areas.

**Introduction to Education**

½ Credit Semester 11,12

The purpose of this course is for the student to become better informed about the Pre-K to 12th grade teaching profession. The student will explore the history and culture of the education institution through multiple lenses with emphasis on becoming aware of roles needed for schools to function successfully. Students will analyze education policies, reflect on their own educational journey, examine student learning styles and techniques used to engage all students, interact with education stakeholders, and look critically at issues within education. Students go on site visits to explore different schools and classroom settings, analyze what it is like to be a teacher, and lead discussion and activities in the classroom. This junior or senior level elective course is available for those seeking CAPP credit. It is intended for those looking to earn college credit in an entry-level course in an education major or general education elective credit in a social or human services type career field.

# TECHNOLOGY & ENGINEERING EDUCATION

| Course | Open To | Credits | Course | Open To | Credits |
|---|---|---|---|---|---|
| 3D Modeling I | 9,10,11 | ½ | CNC Mach. & Manufacturing I | 10,11,12 | ½ |
| Basic Electricity | 9,10,11,12 | ½ | CNC Mach. & Manufacturing II | 11,12 | ½ |
| Graphics I | 9,10,11,12 | ½ | Principles of Engineering | 11,12 | 1 |
| Metals Technology | 9,10,11,12 | ½ | Welding II | 11,12 | ½ |
| Introduction to Engineering I | 9,10 | ½ | Cabinetmaking | 11,12 | ½ |
| Introduction to Engineering II | 9,10,11 | ½ | Advanced Woods | 11,12 | ½ |
| 3D Modeling II | 10,11,12 | ½ | Building Construction I | 10,11,12 | ½ |
| Architectural Design I | 10,11,12 | ½ | Building Construction II | 11,12 | ½ |
| Graphics II | 10,11,12 | ½ | Adobe Photoshop | 11,12 | ½ |
| Digital Photography & Video | 10,11,12 | ½ | Adobe Illustrator | 11,12 | ½ |
| Welding I | 10,11,12 | ½ | Adobe InDesign | 11,12 | ½ |
| Power Equipment Technology | 10,11,12 | ½ | Metal Sculpture Independent Study | 11,12 | ½ |
| Woods Technology | 10,11,12 | ½ | Graphics/Printing Internships | 12 | ¼ - 1 |
| Metal Fabrication | 11,12 | ½ | Industrial, Scientific and Engineering Internship | 12 | ¼ - 1 |
| Digital Electronics | 10, 11, 12 | ½ | Advanced Photography & Video | 11, 12 | ½ |
| Architectural Design II | 11,12 | ½ | Introduction to Web Design & Animation | 11,12 | ½ |
| Design for Manufacturing | 10,11,12 | ½ | | | |
| Graphic Design & Specialty Printing | 11,12 | ½ | | | |

### 3D Modeling I

½ Credit Semester 9,10,11

3D Modeling I (dual-credit with MPTC) provides the student with the chance to improve his/her talents in communicating through mechanical drafting. Areas covered include an introduction to geometric construction, orthographic projection, pictorials, dimensioning, and section views. Students will explore & utilize 2D and 3D computer drafting. This course is helpful for students interested in any area of technical education, engineering, or design. This course can be taken for college credit.

**Example Projects:** Arbor Press. Other various 2D and 3D projects. Parts, Assemblies and Drawings

**Equipment learned/used:** 3D Printer, Laser Engraver

**Software learned/used:** Microsoft office; Corel Draw; Adobe Illustrator; Autocad (2D CAD); Solidworks (3D Cad); Google products; Makerbot

### Basic Electricity

½ Credit Semester 9,10,11,12

A hands-on course (dual-credit with MPTC) that introduces students to the fundamental knowledge of how electricity works and the theories involved. The majority of the class are activities using the Arduino (microcontroller) platform and residential wiring trainers. The class culminates with a unit on automation and robotics.

**Example Projects:** Sparkfun Inventor Kit projects, Cobot Projects, Residential Wiring Trainers, LED Acrylic Sign

**Equipment learned/used:** Arduinos, Laser Engraver, Soldering Irons, Collaborative Robots, Hand and Power tools

**Software learned/used:** Microsoft Office, Arduino IDE, Draw.IO, Scratch, Polyscope

### Graphics I

½ Credit Semester 9,10,11,12

A Graphics course designed for students to learn about design! This is done through using different software and creating hands on graphics projects. Students will design and create their own projects and get a better understanding of software.

**Example Projects:** Create a sticker, Screen Print on a shirt, Sub-Dye a mousepad

**Equipment learned/used:** Vinyl Cutter, Screen Press, Screen Printing tools, and a Heat Press

**Software learned/used:** Adobe Photoshop, Adobe Illustrator, & Adobe InDesign

**Metals Technology**

½ Credit | Semester | 9,10,11,12

A hands-on course that introduces students to basic metal working. Students will be in the shop 75% of the time or more learning fabrication, welding, and machining on state-of-the-art equipment.

**Example Projects:** Sheet metal tool box, welding practice, welding project (changes each semester), machining project (combination square)

**Equipment Learned/Used:** Fiber Laser Cutter; Brake Press; Box and Pan Brake; Squaring Shears; Bar Folder; SMAW (stick) Welder; GMAW(MIG) Welder; Ironworker; Manual Mill; CNC Mill; Various Hand/Power Tools

**Software Learned/Used:** Microsoft office; Google Products; Solidworks (3D cad); Radan (laser cutter cam)

**Introduction to Engineering I**

½ Credit | Semester | 9,10

A STEM course designed for getting students to think, do and problem solve!! This is done through hands on team-based projects. Students will apply academic knowledge while working through the design process.

**Example Projects:** Cantilever; Mousetrap Vehicle; Bridge Building; STEM Puzzle

**Equipment learned/used:** 3D Printer, Laser Engraver, CNC Router, Foam cutter, Hand and Power tools

**Software learned/used:** Microsoft office; Corel Draw; Autocad (2D CAD); Solidworks (3D Cad); Google products; Adobe Illustrator; Makerbot

**Introduction to Engineering II**

½ Credit | Semester | 9,10,11

This STEM course is a continuation of Introduction to Engineering I. We are still getting students to think, do and problem solve!! This is done through hands on team-based projects. Students will apply academic knowledge while working through the design process. Project scope and duration increases in this course.

**Example Projects:** Cardboard Furniture, Package Design, Destructive Testing, Electricity

**Equipment learned/used:** 3D Printer, Laser Engraver, Soldering pencil, CNC Router, Vacuum Former, Robotic Arm; Hand and Power tools

**Software learned/used:** Microsoft office; Corel Draw; Autocad (2D CAD); Solidworks (3D Cad); Google products; Adobe Illustrator; Makerbot

*Prerequisite: Intro to Engineering I or instructor approval*

**3D Modeling II**

½ Credit | Semester | 10,11,12

In this course students will review and use the knowledge gained in 3D modeling I to further their understanding of drafting and how it relates to manufacturing and industry. Three-dimensional CAD will be the primary means of producing drawings in this course. This course is beneficial for students preparing for careers in Mechanical Design, Tool and Die or Engineering, to name a few.

**Example Projects:** Wind Turbine, Glue Dispenser, Level Housing, Cylinder Workhead

**Equipment learned/used:** 3D Printer, Laser Engraver, Robotic Arm, Hand and Power tools

**Software learned/used:** Adobe Illustrator; Corel Draw; Microsoft office; Autocad (2D CAD); Solidworks (3D Cad); Google products; V Carve; MasterCAM; Makerbot

*Prerequisites: 3D Modeling I "C" average or instructor approval.*

**Architecture I**

½ Credit | Semester | 10,11,12

This course is beneficial for students interested in architectural design, interior design, or building construction. Students will learn the design process, ranging from concept development to material selections focusing on Residential design.

**Example Projects:** Residential Lake Home Floor Plans, High Rise Studio Apartment, High Rise Model, One Day Designs.

**Equipment Learned/Used:** Wood Shop equipment, laser engraver, foam cutting tools.

**Software Learned/Used:** Microsoft office; Google Products; AutoCAD (2D cad); SketchUP (3D Rendering)

## Graphics II

½ Credit | Semester | 10,11,12

This Graphics course goes more into detail on everything you learned in Graphics 1. We get more in depth with each of the 3 software's. We will create bigger and more complex projects. We use the machines in a more advanced way.

**Example Projects:** Sticker, Digital Press Printing, Screen Printing

**Equipment learned/used:** Vinyl Cutter, Screen Press,Digital Press, and a Heat Press

**Software learned/used:** Adobe Photoshop, Adobe Illustrator, & Adobe InDesign

*Prerequisite: Graphics 1*

## Digital Photography & Video

½ Credit | Semester | 11,12

Students will explore the field of digital photography and video including equipment, lighting, composition, and more. Skills acquired will be useful for hobby photographers or as an introduction into photography as a career. Students are not required to own a digital camera or video camera. There is a lab fee to help offset material expenses.

**Example Projects:** Various Photo Submissions, Photoshop edits, 30 Second Commercial, 2-3-minute Film.

**Equipment Learned/Used:** Dark Room / Green Screen Studio, Photo Mounting tools

**Software Learned/Used:** Microsoft office; Google Products; Adobe Photoshop; Adobe Premiere

## Welding I

½ Credit | Semester | 10,11,12

A welding and fabrication course. ½ the semester focuses on developing welding skills in SMAW (stick) and GMAW (mig). ½ the semester focuses on developing fabrication skills by using welding and various pieces of equipment to fabricate a project.

**Example Projects:** Various Weldments (welding practice); various fabrication projects such as can crusher, portable grill, etc.

**Equipment Learned/Used:** Fiber Laser Cutter; Brake Press; SMAW (stick) Welder; GMAW(MIG) Welder; Ironworker; Fixture Tables; Various Hand/Power Tools

**Software Learned/Used:** Microsoft office; Google Products; Solidworks (3D cad); Radan (laser cutter cam)

*Prerequisite: Metals Technology*

## Woods Technology

½ Credit | Semester | 10,11,12

This course has been designed to introduce the student to the basics of woodworking. Students will use and understand the terminology, materials, tools, equipment, and methods of working with wood on an introductory basis.

**Example Projects:** Cutting Board, Nightstand, CNC Router Sign, cribbage or storage box.

**Equipment Learned/Used:** Table Saw, Miter Saw, Jointer, Surfacer, Overhead Belt Sander, CNC Router, Kreg Machine, Band Saw, Router, and various hand/power tools.

**Software Learned/Used:** Microsoft Office, Google Products, Adobe Photoshop, Adobe Illustrator V-Carve (CNC Router Software)

## Metal Fabrication

½ Credit | Semester | 11,12

A fabrication course (dual-credit with MPTC). Students create their own blueprints, cost estimates, bill of materials, manufacturing plan, etc. to take a fabrication project from start to finish. Projects will consist of items to sell, personal projects, community projects, and projects for area businesses. This course carries college credit at Moraine Park Technical College.

**Example Projects:** Past projects have included: household decorations, park benches, portable grills, picnic tables, storage racks, bike racks, signage, and countless others

**Equipment Learned/Used:** Fiber Laser Cutter; Brake Press; GMAW(MIG) Welder; GTAW (TIG) Welder; Ironworker; Pipebender; Fixture Tables; Various Hand/Power Tools

**Software Learned/Used:** Microsoft office; Google Products; Solidworks (3D cad); Radan (laser cutter cam)

*Prerequisite: Welding 1 and/or Welding 2*

## Digital Electronics

½ Credit | Semester | 10, 11,12

This course is a continuation of the knowledge learned in Basic Electricity. Students will be introduced to how industry uses the combination of robots, pneumatics, and programmable logic controls to manufacture product for consumers. Projects will consist of items to sell, personal projects, community projects, and projects for area businesses. This class explores many highly skilled career paths that are in high demand currently.

**Example Projects:** SMC Training Activities (pneumatics and PLC training), Cobot Projects, Industry Tours

**Equipment learned/used:** Arduinos, 3D Printer, Laser Engraver, Soldering Iron, CNC Router, Collaborative Robots, Hand and Power tools

**Software learned/used:** Microsoft Office, Arduino IDE, RSLogic 500, Makerbot, Solidworks, VCarve.

*Prerequisite: Basic Electricity/Computer Programing or instructor approval*

**Architecture II**

½ Credit Semester 11,12

This course is designed to further the students understanding of how a complete set of floor plans is developed and put to use. Throughout the semester, the students will do a group project to design and create an ADA approved commercial building.
**Example Projects:** Two Point Perspective Hand Rendering; Pop-Up (Shipping Container) Design; Laser Cut Model, Team Commercial Space Design.
**Equipment Learned/Used:** Wood Shop equipment, laser engraver, foam cutting tools, hand drawing tools.
**Software Learned/Used:** Microsoft office; Google Products; AutoCAD (2D cad); Revit (2D/3D cad); SketchUP (3D Rendering)

**Design for Manufacturing**

½ Credit Semester 10,11,12

This course (dual-credit with MPTC) is designed for students serious about pursuing a career in Engineering, Mechanical Design or Tool and Die. A relationship between CAD and CNC machining will be formed to help students understand the link between the two. Students will participate in engineering design projects. Upon completion of this class, students will have a solid foundation in three-dimensional computer drawing utilizing 3D modeling software and a basic understanding of CNC Machining. This course can be taken for technical college credit. Industry Certification (CSWA) can be earned.
**Example Projects:** Product Dissection, Sheet Metal tray, Deskset, Product Packaging, Design Challenge
**Equipment learned/used:** 3D Printer, Laser Engraver, Vacuum Former; CNC Router, CNC Mill, Hand and Power tools, Robotic Arm
**Software learned/used:** Adobe Illustrator; Corel Draw; Microsoft office; Autocad (2D CAD); Solidworks (3D Cad); Google products; V Carve; MasterCAM; Makerbot
*Prerequisite: 3D Modeling II or instructor approval*

**Graphic Design & Specialty Printing**

½ Credit Semester 11,12

Students will create graphic designs and use various digital printing techniques, often combining one or more processes. Digital printing processes will include sublimation dye, laser engraving, vinyl cutting, color (laser) printing, and wide-format inkjet printing. Package design will also be explored, including the use of a plastic vacuum-former. Each student will also do one (or more) design/print jobs for a "customer," in order to gain realistic experience in regard to quality, proofing, billing, and meeting deadlines. There is a materials fee for this course.
*Prerequisite: Graphics I & II; instructor approval required*

**Principles of Engineering**

1 Credit Semester 11,12

This STEM course provides opportunities for students and teachers to link content together and solve problems. More and more jobs demand advanced skills, requiring that people be able to learn, reason, think creatively, make decisions, and solve problems. An understanding of science, technology, engineering and math and their methods contribute in an essential way to these skills. Principles of Engineering is a team based advanced course designed for all students. Those interested in becoming practicing engineers clearly benefit from this course content. Students will apply academic knowledge while working through the design process.
**Example Projects:** Trebuchet, T-shirt Launcher, Golf Course Design, Egg Catch, Emergency Shelter, Cam Project, Mechanisms, Industry Design Challenge, Project Management
**Equipment learned/used:** 3D Printer, Laser Engraver, soldering pencil, CNC Router, Miter saw, Table saw; Hand and Power tools
**Software learned/used:** Microsoft office; Corel Draw; Autocad (2D CAD); Solidworks (3D Cad); Google products; Adobe Illustrator; Makerbot; V Carve
*Prerequisite: Introduction to Engineering I or Instructor Approval*

**CNC Machining & Manufacturing I**

½ Credit Semester 10,11,12

This course (dual-credit with MPTC) is an introduction to CNC machining. Students will be in the shop 75% of the time or more learning manual mill and lathe setup & operation, CNC mill and lathe setup & operation, material preparation and workholding techniques. Students will be introduced to the basics of CNC programming language and progress to programming CNC equipment using various CAM softwares.
**Example Projects:** Domino Key Chain, Tic Tac Toe Game, Multi Square, Titan of CNC Projects
**Equipment learned/used:** Manual Mill, Haas CNC Mills, Manual Lathe, Haas CNC Lathe, Horizontal Band Saw, Squaring Shears, Drill Press
**Software learned/used:** Microsoft Office; Corel Draw; Autocad (2D CAD); Solidworks (3D Cad); Google products; Adobe Illustrator; Makerbot; VCarve, MasterCAM, Fusion360
*Prerequisite: Metals Technology/3D Modeling 1 or Instructor Approval*

**CNC Machining & Manufacturing II**

½ Credit Semester 11,12

This course (dual-credit with MPTC) can be taken for Moraine Park Technical College credit. Students will advance their skills in CNC machining, technical drawings, cost estimates, bill of materials, manufacturing plan, etc to manufacture a part from start to finish. Projects will consist of items to sell, personal projects, community projects, and projects for area businesses. This class explores many highly skilled career paths that are in high demand currently.

**Example Projects:** Titan of CNC Projects, Checkers Board, Divot Removing Tool, Business Card Holder

**Equipment learned/used:** Manual Mill, Haas CNC Mills, Manual Lathe, Haas CNC Lathe, Horizontal Band Saw, Squaring Shears, Drill Press

**Software learned/used:** Microsoft Office; Corel Draw; Autocad (2D CAD); Solidworks (3D Cad); Google products; Adobe Illustrator; Makerbot; VCarve, MasterCAM, Fusion360,

*Prerequisite: Introduction to Automated Manufacturing/Design for Manufacturing or Instructor Approval*

**Welding II**

½ Credit Semester 11,12

A technical welding course (dual-credit with MPTC). A full semester of welding skill development. This course carries college credit at Moraine Park Technical College. This course focuses on advanced skills in GMAW (mig) and developing skills in GTAW (tig).

**Example Projects:** Various Weldments (welding practice); Laser Cut Sign; Portable Grill; Rocket Stove

**Equipment Learned/Used:** Fiber Laser Cutter; Brake Press; GMAW(MIG) Welder; GTAW (TIG) Welder; Ironworker; Fixture Tables; Various Hand/Power Tools

**Software Learned/Used:** Microsoft office; Google Products; Solidworks (3D cad); Radan (laser cutter cam)

*Prerequisite: Welding 1*

**Cabinetmaking**

½ Credit Semester 11,12

Cabinetmaking is a course (dual-credit with MATC) designed to further develop woodworking skills and knowledge beyond the basic processes of woodworking. Students will learn more extensive methods of material processing, joinery, laminating and wood finishing. Using an existing plan, students will make a design and build both an upper and lower cabinet. The upper cabinet will be constructed using more traditional methods, whereas the lower cabinet will be constructed using the CNC Router and associated software. Students will be responsible for programming and operating the CNC router to build their own cabinet. There is a lab fee that will be charged for project materials.

**Example Projects:** Upper Cabinet, Lower Cabinet, CNC Router Project

**Equipment Learned/Used:** Table Saw, Miter Saw, Jointer, Surfacer, Overhead Belt Sander, CNC Router, Kreg Machine, Band Saw, Router, and various hand/power tools

**Software Learned/Used:** Microsoft Office, Google Products, Adobe Photoshop, Adobe Illustrator V-Carve (CNC Router Software)

*Prerequisites: Wood Technology or consent of instructor required.*

**Advanced Woods**

½ Credit Semester 11,12

Advanced Woods is a course that allows students, using all the skills developed in prior courses, to design, plan, and build a project of their choice. The project is limited only by the students' ability, motivation, and/or cost. A product of high quality and thoughtful planning is the goal of this course.

**Example Projects:** Student Choice

**Equipment Learned/Used:** Table Saw, Miter Saw, Jointer, Surfacer, Overhead Belt Sander, CNC Router, Kreg Machine, Band Saw, Router, and various hand/power tools

**Software Learned/Used:** Microsoft Office, Google Products, Adobe Photoshop, Adobe Illustrator V-Carve (CNC Router Software)

*Prerequisite: A "C" or better in Cabinetmaking or instructor consent required*

**Building Construction I**

½ Credit Semester 10,11,12

This course gives students a basic understanding of residential building. The course begins with foundations and ends with roof systems. Students will learn proper framing techniques, tool usage, concrete and other skills and equipment found on a typical construction site. This course will also help a person develop basic home improvement and maintenance skills. This course is a prerequisite for Building Construction II. There is a small fee for this course.

**Example Projects:** Bag Toss, Concrete Slab, Floor Framing, Wall Framing, Truss Framing, Electrical Wiring, Drywall, Plumbing.

**Equipment Learned/Used:** Nail Guns, Portable Circular Saw, Table Saw, Miter Saw, Jointer, Surfacer, CNC Router, Band Saw, Router, and various hand/power tools

**Software Learned/Used:** Microsoft Office, Google Products

*Prerequisites*: *Woods Technology suggested.*

**Building Construction II**

½ Credit Semester 11,12

This course builds on the information learned in Building Construction I. The course will still focus on residential construction but will require more in-depth and higher-level projects. Students will learn advanced framing techniques, concrete, masonry, finish construction and more skills and tools used on the typical construction site. The class will be sheds/small garages for people in the community as their final project. This course will also help a person to continue developing basic home improvement and maintenance skills.

**Example Projects:** Adirondack Chair, Stone Veneer Application, Floor Framing, Wall Framing, Roof Framing, Shingle Application, Siding, Window and Door Installation, and to build a custom building on site for 2 days for at the end of the semester.

**Equipment Learned/Used:** Nail Guns, Portable Circular Saw, Table Saw, Miter Saw, Jointer, Surfacer, CNC Router, Band Saw, Router, and various hand/power tools

**Software Learned/Used:** Microsoft Office, Google Products

*Prerequisites*: *Building Construction I and must be a junior or senior.*

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**Adobe Photoshop**

½ Credit Semester 11,12

This course (dual-credit with MPTC) is for students who want a very in-depth study of Photoshop. Photoshop is used by many professionals to edit photos, create special effects, and create images for photographic and design uses. The students must have demonstrated the ability to understand key concepts and stay on schedule in Graphics II class. There is a materials fee for this course.

*Prerequisite: Graphics II and consent of instructor*

**Adobe Illustrator**

½ Credit Semester 11,12

This course (dual-credit with MPTC) is for students who want a very in-depth study of Illustrator. Illustrator is used by many professionals to create lines, curves, artwork, text, and special effects using vector graphics. The student must have demonstrated the ability to understand key concepts and stay on schedule in Graphics II class. There is a materials fee for this course.

*Prerequisites: Graphics II and consent of instructor.*

**Adobe InDesign**

½ Credit Semester 11,12

This course (dual-credit with MPTC) is for students who want a very in-depth study of Adobe InDesign. InDesign is the page layout program of choice for most design and printing professionals. The student must have demonstrated the ability to understand key concepts, work well independently, and stay on task in Graphics II class. There is a materials fee for this course.

*Prerequisites: Graphics II and consent of instructor.*

**Advanced Photography & Video**

½ Credit Semester 11,12

Advanced techniques in Adobe Lightroom, using Adobe's textbook, will be the emphasis of this course. Students will build on skills acquired in the beginning Photography/Video course. In addition to learning the software more in-depth, students can use video cameras and the photography studio. Studio work will include use of DSLR cameras, portrait lighting techniques, various product shots, etc. There is a materials fee for this course.

*Prerequisites: Photography/Video; Instructor approval signature required*

**Introduction to Animation/Web Design**

½ Credit Semester 11,12

The purpose of this course is to introduce students to the fundamentals of design, and basic animation techniques. Students will gain an understanding of the many ways animation is utilized in television, movies, and for educational purposes. Students will become familiar with animation through the use of professional level software.

*Prerequisite: Graphics I & II; Instructor approval required*

**Metal Sculpture – Independent Study**

½ Credit Semester 11,12

Students in this class will be creating, designing and building sculptures in metal. To qualify it is recommended that students have at least one of these prerequisite Tech Ed courses: Welding 2 and/or Metal Fab OR at least one of these three prerequisite Art courses: Drawing and Painting 2, Sculpture and Design 2, or Commercial design 2-D and 3-D, - This is a limited number independent study course. Students must have the joint consent of Mr. Pokrzywa and Mr. Graziano.

**See School to Work Section for:**

Automotive Technology Apprenticeships
Graphics Arts/Printing Internships
Industrial, Scientific and Engineering Internships

# WORLD LANGUAGES

| Course | Open To | Credits |
|---|---|---|
| German I | 9,10,11,12 | 1 |
| German II | 9,10,11,12 | 1 |
| German III | 10,11,12 | 1 |
| German IV | 11,12 | 1 |
| German V CAPP | 12 | 1 |

| Course | Open To | Credits |
|---|---|---|
| Spanish I | 9,10,11,12 | 1 |
| Spanish II | 9,10,11,12 | 1 |
| Acc. Span II/III | 10 | 1 |
| Spanish III | 10,11,12 | 1 |
| Acc. Span III/IV | 11,12 | 1 |
| Spanish IV | 11,12 | 1 |
| Spanish V/CAPP | 12 | 1 |

It is important for students to be concerned with global issues and knowledge of other languages and cultures in today's world. The World Language department believes language skills, culture, geography and history are an important part of the World Language curriculum, leading students to a better understanding of people from different cultures, and more of an appreciation of their own culture. We believe students of World Languages open themselves to increased employment opportunities. World Language study will also enhance English usage and communication skills. Research has shown that students who have studied a World Language score higher on standardized tests than those who have not.

Slinger High School students, beginning World Language study in grade nine, have the opportunity of completing four levels of German and/or Spanish. Those who begin in the seventh grade in Spanish and eighth grade in German can complete five levels of Spanish or German. Languages may be taken simultaneously.

### German I

1 Credit Year 9,10,11,12

Students begin a serious study of the German language and culture. Emphasis is placed on comprehension, pronunciation, speaking, reading and writing simple German using correct grammar with the following topics: greetings and introductions, colors, alphabet, numbers, the days of the week, telling time, classroom expressions, school subjects, the school day, leisure time activities, the euro, and the family. Grammar focus is on German sentence structure, articles and possessive adjectives, pronouns, and verb conjugation. The location of the German-speaking countries within Europe, basic information about Germany, and culture related to the topics above, as well as holidays and traditions, make up the German I curriculum. There is a materials fee for workbooks.

*Prerequisite: Above average ability in English grammar.*

### Spanish I

1 Credit Year 9,10,11,12

In this introductory course students will acquire a basic foundation of vocabulary which includes: greetings and farewells, numbers, time, dates, colors, weather, foods, clothing, leisure activities, physical descriptions, etc. Speaking and listening comprehension are practiced with an emphasis on Latin American pronunciation. There will also be practice with reading and writing in Spanish. Some key grammar points covered in this course are: present tense verb conjugation, sentence/question structure, article usage, noun-adjective agreement, pronouns, negative expressions, and comparisons. Cultural notes are presented in each chapter.

*Prerequisite: Above average ability in English grammar.*

### German II

1 Credit Year 9,10,11,12

Continuation of German I with an increased emphasis on comprehension, speaking, pronunciation, reading, and writing using vocabulary from the previous year and adding from the following topics: going shopping for clothing, shopping for groceries, the school day revisited and expanded, asking and giving directions, months and the seasons, the weather, more leisure time activities, parts of the day, train & plane travel, nationalities and eating at a fast food stand. Previous grammar topics will be reviewed, modal verbs will be learned, and the future tense is introduced. Culture remains important and will be reviewed and expanded in conjunction with the above topics. Beginning level German reading selections will be read in class.

*Prerequisite: Successful completion of German I*

**Spanish II**

1 Credit Year 9,10,11,12

Much of the vocabulary learned in Spanish I will be reviewed in this course. Students will use more conversation for various situations such as: sports, chores, shopping & clothing, daily routines, marketplace, past times, and travel. All of the grammar from Spanish I will be reviewed and practiced. Closely related verbs such as estar and ser will be studied. Several new verb tenses (preterit, imperfect, and commands) will be learned. Certain aspects of culture will be presented in each chapter of the text.

*Prerequisite: Successful completion of Spanish I*

**Accelerated Spanish II/III**

1 Credit Year 10, 11

This accelerated class will cover all material in Spanish II as well as some in Spanish III. This class is designed for sophomores & juniors only who excelled in Spanish I, and whose academic path would include Spanish 5 or Spanish III/IV their senior year.

*Prerequisite: Completed application, Spanish teacher recommendation, final grade of A in Spanish I.*

**Spanish III**

1 Credit Year 10,11,12

This is an intermediate Spanish class that builds beyond the grammar and vocabulary learned in Spanish I and II. Narration in the past with the focus on legends and telling stories, food, nature, and travel are included in this year long course. New verb tenses and moods are future, present perfect and the present subjunctive. Other specific grammar structures are practiced and refined throughout the year.

*Prerequisite: Successful completion of Spanish II*

**Accelerated Spanish III/IV**

1 Credit 11, 12

This accelerated class is a continuation of Accelerated Spanish II/III. It is designed for juniors and seniors only who received a grade of B+ or better in Accelerated Spanish II/III, and whose academic path would include Spanish V their senior year.

*Prerequisite: Written permission and signature from Spanish Teacher and a grade of B+ or above in Accelerated Spanish II/III*

**German III**

1 Credit Year 10, 11, 12

The intermediate student finds him/herself gaining more confidence in the speaking of German. Students learn new vocabulary dealing with: concerts, movies and music, birthday celebrations, selecting gifts, giving more detailed directions, vacationing in the mountains. Students will learn how to use a German-English dictionary. Grammar topics taught at this level include: command forms, conversational past tense, dative & accusative prepositions, conjunctions, ordinal numbers, and der/dieser-words. Culture continues to be taught in conjunction with the above topics. Mini topics include the Rhine River, German Rail System, and German soccer and sports. Intermediate level reading selections will be read in class.

*Prerequisite: Successful completion of German II*

**German IV**

1 Credit Year 11, 12

As the year progresses, the advanced student is expected to comprehend most to all of what the instructor says in German and to respond in German. Topics at this level are chosen from yard chores and insects, parts of the body, going to the beach, a German restaurant visit, the German house, and nationalities. Grammar focus is on the narrative past tense, two-way prepositions, reflexive construction, and adjective endings. Students will read simple chapter books and some contemporary German literature. Culture will continue to play an important role in conjunction with the above topics. Mini topics are chosen from: German media, North Sea, and illnesses. Completion of German IV will give students the possibility of earning retroactive credits at the college level.

*Prerequisite: Successful completion of German III*

## Spanish IV

1 Credit | Year | 11,12

The advanced student is expected to comprehend most of what the instructor says in Spanish and, likewise, to respond in the target language. The vocabulary will be in-depth, covering such situations as: personal care items, school, at the doctor or dentist office, traveling by train or plane, at the hotel, and at the restaurant. All grammar will be reviewed. New verb tenses will be learned. There is an emphasis on reading, writing and speaking.

*Prerequisite: Final grade of B- or better in Spanish III is HIGHLY recommended.*

## Spanish V/CAPP

1 Credit | Year | 12

Spanish V is an advanced Spanish class taught in conjunction with UW Oshkosh in the Cooperative Academic Partnership Program (CAPP). Students who qualify may choose to take this course for CAPP credit at the beginning of the year and have the opportunity to obtain 5 university credits and up to 13 retroactive credits toward his/her post-secondary education with a grade of B or better. Any student intending to take this course for CAPP credits must be in the top 25% of his/her class or have a 2.75 GPA to qualify. There is a CAPP payment that is required.

The curriculum focuses on advanced grammar concepts and knowledge, literature, writing & composition and speaking. A detailed study of culture, geography and history will continue.

*Prerequisite: Final grade of B or better in Spanish IV is required.*

## German V/CAPP

1 Credit | Year | 12

The curriculum focuses on advanced grammar concepts and knowledge, literature, writing & composition and speaking. A detailed study of culture, geography and history will continue. Students may choose to take this course for CAPP credit at the beginning of the year and have the opportunity to obtain 5 university credits and up to 13 retroactive credits toward his/her post-secondary education with a grade of B or better. Any student intending to take this course for CAPP credits must be in the top 25% of his/her class or have a 3.25 GPA to qualify. If taking the class for the CAPP credits, payment is required.

*Prerequisite: Successful completion of German IV*

# SLINGER HIGH SCHOOL SUPPLY LIST FOR 2024-25

**Besides the basic supplies needed, ie: spiral notebooks, folders, pens, pencils, below is a list of specific supplies required for some classes. Also, a jump drive has become about as crucial of an item as notebooks, folders, pens, and pencils.**

| SUBJECT | SUPPLIES NEEDED |
|---|---|
| Adobe Photoshop<br>Adobe Illustrator<br>Marketing II | 2-4 GB jump Drive |
| Algebra I | TI 30XIIS Scientific Calculator and a 3-ring binder |
| Algebra II | TI 30XIIS Scientific Calculator or TI-84 Graphing Calculator and a 3-Ring Binder |
| Algebra Survey | TI 30XIIS Scientific Calculator and a 3-ring binder |
| Algebra II Survey | TI 30XIIS Scientific Calculator, 3 ring binder HIGHLY recommended |
| American Studies 3 | 3 ring binder, loose-leaf paper, notecards, cordless mouse (optional) |
| AP Calculus | TI-84 Graphing Calculator REQUIRED<br>One college ruled composition notebook |
| AP Chemistry | Two college ruled composition notebooks |
| AP CS | 16 GB Jump drive, 3 ring binder |
| AP Psychology | 3 ring binder, note cards, highlighter |
| AP US Politics & Government | 1 ½ inch 3 ring binder, loose-leaf paper, jump drive, notecards bound in spiral form (optional) |
| Biomed | 1 College ruled composition notebook |
| Chamber Singers | Black 3 ring binder |
| Chemistry in the Community | 3-ring binder, calculator, one gallon distilled water (optional) |
| Computer Programming | 16 GB Jump drive, 3 ring binder |
| Developmental Biology | Colored pencils and a calculator |
| Employability Skills | 3 Ring Binder with a 50 pack of plastic sheet protectors |
| English 9 & 10 | Wireless mouse (optional, but helpful), headphones, notebook, folder, and binder |
| General Chemistry | Two college ruled composition notebooks |
| Geometry | Calculator TI 30XIIS, compass, protractor, 3-ring binder |
| German I | 1 notebook, 1 folder, pencil, |
| German II | 1 notebook, 1 folder, pencil, |
| German III | 1 notebook, 1 folder, pencil, pocket size German-English dictionary (recommended) |
| German IV & German V | 1 notebook, 1 folder, pencil, pocket size German-English dictionary (recommended) |
| Graphics 3 | 2-4 GB jump drive |
| Honors Algebra I | TI 30XIIS calculator and a 3-ring binder |
| Honors Algebra II | TI-84 Graphing Calculator and a 3-ring binder |
| Honors Geometry | TI 30XIIS calculator, protractor, compass, 3 ring binder, notebook or loose-leaf paper |
| Honors Math IV | TI-84 Graphing Calculator REQUIRED and a 3-Ring Binder |
| Introductory to Accounting | Accounting simulation booklet; approximate cost $10 |
| Introductory to Psychology | 3 ring binder, note cards, highlighter |
| Marketing I-III | Spiral notebook |
| Media Literacy | Headphones |
| Men's A Cappella | Black 3 ring binder |
| Intro to Public Speaking | Headphones |
| Personal Finance | Spiral notebook |
| Natural Science 9 | 3-ring binder or composition notebook, calculator, empty plastic 2-liter bottle |
| Physics | Non-Graphing calculator (TI 30XIIS Scientific Calculator best) |
| Photography/ Video | 2-4 GB jump drive |
| Spanish 1 | 3-ring binder w/loose-leaf paper, tab dividers |
| Spanish 2 | Notebook & Folder or 3-ring Binder |
| Spanish 3 | Notebook & Folder or 3-ring Binder |
| Spanish 4 | 3-ring binder w/loose-leaf paper, tab dividers, Spanish/English dictionary (optional, but recommended) |
| Spanish 5 | 3-ring binder w/loose-leaf paper, tab dividers, Spanish/English dictionary (optional, but recommended), Spanish 501 Verbs Book (optional, but recommended) |
| AP Statistics | TI-84 Graphing Calculator REQUIRED |
| Trig/Pre-Calc | TI 30X IIS calculator or TI-84 Graphing Calculator, and a 3 ring binder |
| Vocal Jazz | Black 3 ring binder |
| World Studies | 3 ring binder, loose-leaf paper, notecards, cordless mouse (optional) |