

Niles Township High School District 219

STUDENT COURSEBOOK & PLANNING GUIDE

2022-2023



District 219
847.626.3000



Niles North High School
847.626.2000



Niles West High School
847.626.2500

Niles Central High School
847.626.3120

Board of Education - President	Naema Abraham	Board of Education - Secretary	Joseph Nowik
Board of Education - Vice President	TBD	Board of Education - Secretary Pro Tem	TBD
Board of Education	Elana Jacobs	Board of Education	Dr. David Ko
Board of Education	Jill Manrique	Board of Education	Mateo Mohammad
Board of Education	Ignacio Lopez		Farzaneh

District Administration

Superintendent - Mr. Thomas Moore (847) 626-3960

Assistant Superintendent Curriculum & Instruction	Dr. Sandra Arreguín - 847 626-3955
Assistant Superintendent of Special Education & Student Services	Bridget Connolly - 847 626-3990
Assistant Superintendent of Human Resources	Thomas Kim - 847 626-3973
Assistant Superintendent for Business/CSBO	Tim Neubauer - 847 626-3967
Chief Legal Officer/FOIA Officer	Ray Chung - 847-626-3982
Chief Technology Officer	TBD - 847-626-3920
Chief Equity Officer	Dr. La Wanna Wells - 847-626-2526
Director of Community Relations & Strategic Partnerships	April Stallworth - 847-626-3958
Director of Innovation and Professional Learning	Kim Rivas - 847-626-3872

Niles North High School

Dr. James Edwards	626-2011
Marlon Felton	626-2021
Laura Bolech	626-2391
Brett Bildstein	626-2281

Principal

Assistant Principal for Operations
Assistant Principal for Student Services
Athletic Director

Curriculum Directors

Rick Aceves	626-2131	ELL
Chris Powell	626-2540	Engineering, Computer Science, & Business (K-12)
Andrew Sinclair	626-2050	Fine and Applied Arts
Sara Klos	626-2421	English
Scott Dahlberg	626-2311	Social Studies
Joseph Obrycki	626-2270	Mathematics
Andrew Pickett	626-2288	Physical Welfare
Dianna Yu	626-2221	Science
Matthew Singer	626-2341	Special Education
Caroline Benjamin	626-2401	Student Activities
Todd Bowen	626-2130	World Languages

Niles West High School

Dr. Karen Ritter	626-2510
Steve Parnter	626-2520
Dr. Antwan Babakhani	626-2930
Dr. Dana Krilich	626-2801

Rick Aceves	626-2131
Chris Powell	626-2060
Patti-Anne Ford	626-2560
Dr. Michael Kucera	626-2615
Martin Zacharia	626-2601
Lucas Leavenworth	626-2741
Joseph Collins	626-2828
Dr. Ami LeFevre	626-2670
Stephanie Hentz	626-2880
Sarah Struebing	626-2921
Todd Bowen	626-2130

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Human & Public Services (HPS)
Health Sciences & Technology (HST)

District 219 Policies

General Guide to Requirements for College Entrance
D219 Graduation Requirements
Dual Credit

Academic Departments

BUSINESS EDUCATION

Marketing - Finance - Investing - Accounting - Entrepreneurship

COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CyberSecurity - Computer Science - App Development

ENGLISH & READING

Literature - Creative Writing - Yearbook - Newspaper - Broadcasting

FAMILY & CONSUMER SCIENCES

Early Childhood Education - Fashion - Culinary

ENGINEERING AND ENGINEERING TECHNOLOGY

Engineering - Manufacturing - CNC- Welding - Automotive

FINE AND APPLIED ARTS:

Music - Theatre Arts - Visual Arts

MATHEMATICS

Algebra - Geometry - Algebra 2 - Calculus - Stats

PHYSICAL WELFARE

Aerobics - Strength & Conditioning - Dance - Adventure Ed - Drivers Ed -

SCIENCE

Biology - Chemistry - Physics - Health Science - Forensic Science - Zoology - SIRS

SOCIAL STUDIES

History - Geography - Economics - Law - Debate - Psychology

SPECIAL EDUCATION

WORLD LANGUAGES

Chinese - French - German - Hebrew - Spanish

ENGLISH LEARNERS

AVID



Planning for your Future

The current employment outlook for the United States indicates that most jobs will require postsecondary education and training beyond high school. Whether a student is preparing to attend a four-year university, a two-year college or the workforce, the exploration of possible pathways is vital. Though many students may continue to change their minds throughout their high school careers about their pathway selections, it is valuable for students to explore multiple areas while still in high school to assist in decisions about where their skills and passions exist.

Students must plan their courses carefully, for long-term preparation begins when students first think about their four-year high school plan. As they progress toward narrowing and clarifying their choices, they must evaluate their own achievement record and check to be sure that they have up-to-date information on the programs that interest them.

The student services team will assist all of our students in selecting career pathways to maximize their experience at District 219.

Career Pathway Map

Step 1 : Career Pathway

Select One:

- Arts and Communication (A&C)
- Manufacturing, Engineering, Technology & Trades (METT)
- Finance & Business Service (FBS)
- Information Technology (IT)
- Agriculture, Food, and Natural Resources (AFNR)
- Human & Public Services (HPS)
- Health Sciences & Technology (HST)

Step 2: Pathway Coursework

Select and Complete
Pathway Coursework



Step 3: Career Exploration

Participate in
Career Exploration
& Enrichment
Opportunities.

Explore Post-HS /
Secondary Options
and / Opportunities

Step 4: Post-Secondary

2yr College
Program

4yr College
Program

Apprenticeship

Work

Industrial
Credential

Military

*As students explore pathway coursework and participate in career exploration they may decide to restart the steps and select a new pathway.

Levels of Education	
Post Secondary Education	Doctoral Degree
	Master's Degree
	Bachelor's Degree
	• Associates Degree • Technical / Vocational Training • Certification Program • Military
General Education	High School
	Middle School / Jr High
	Elementary School
Pre-General Education	Pre-School
	Early Childhood Education

Agriculture, Food, & Natural Resources



AFNR Careers

Certification/Associates Degree:

- Certified Decorator
- Certified Engineering Operations Executive
- Certified Event Planner
- Certified Executive Chef
- Certified Food Service Mgmt. Professional
- Certified Hospitality Accountant Executive
- Certified Human Resources Executive
- Certified Lodging Security Director (CLSD)
- ServSafe Employee & Cust. Safety Certification
- Animal Control Officer
- Arborist
- Biological Tech
- Caterer
- Commercial Diver
- Conservation Worker
- Dietetic Technician
- Environmental Technician
- Explosives Specialist
- Facilities Manager
- Farmer
- Fish & Game Officer
- Food Inspector
- Forestry
- Gardner for Parks
- Golf Course Manager
- Greenhouse Manager
- Heavy Equipment Operator
- Hospitality Management
- Hotel Management
- Quality Food Inspector
- Recycling Technician
- Veterinary Technician

Bachelor's Degree or Higher:

- Agronomist
- Animal Husbandry
- Baker
- Biologist/Biochemist
- Botanist/Horticulturist
- Brewmaster
- Chef and Head Cook
- Civil Engineer
- Conservation Scientist/Ecologist
- Environmental Engineer
- Fish & Game Warden
- Food Service Manager
- Geneticist
- Hospitality Management & Leadership
- Landscape Architect
- Livestock Management
- Marine Biologist
- Park Ranger
- Plant Pathologist
- Resort Manager
- Restaurateur
- Toxicologist
- USDA Inspector
- Veterinarian
- Wildlife Conservationist
- Zoologist

High School Schedule

9th Grade	10th Grade	11th Grade	12th Grade
Freshman English	Soph English	Junior English	College Prep / Elective
Biology	Chemistry	Physics	Pathway Course
Science Lab	Science Lab	Science Lab	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Math	Math	Math	Pathway Course
World History	Civics / Pathway	US History	Pathway Course
Freshman PW	Soph PW / Health	PW Elective	PW Elective
Lunch	Lunch	Lunch	Lunch

Career Pathway Courses

- Business & Technology (S 9-10)
- Introduction to Computer Science (S 9-12)
- Chefs (S 9-12)
- Gourmet and International Cuisine (S 9-12)
- Commercial Foods (Y 10-12)
- Zoology (S 11-12)
- AP Environmental Science (Y 10-12)
- Intro. to Engineering Design (IED-PLTW) (Dual Credit) (Y 9-12) *Women in Engineering Option
- Civil Engineering & Architecture (Dual Credit) (Y 10-12)
- STEM Inquiry & Research (SIRS) (Y 10-12)

Suggested AP & Dual Credit *See Career Pathway courses for additional Options

- AP Physics • AP Computer Science Principles • AP Computer Science A • AP Chemistry • AP Economics
- AP Statistics • AP Environmental Science • AP Language

Public Speaking Choose one:

- Intro to Debate •Theatre Workshop •Public Speaking •Digital Storytelling •Novice Broadcast Production •STEM Inquiry and Research

Consumer Education Choose one: •Business Tech 1 and 2 •Consumer Education •Work Study 1 and 2

Additional Career Pathway Courses: •World Language - Chinese, French, German, Hebrew, Spanish • Art • Business Incubator • Entrepreneurship & Business Strategies • Fashion1 • Intro to Computer Science • Investing • MakerStudio • Music • Probability & Statistics • SIRS • Theatre Workshop • See coursebook for additional electives

Clubs: •Culinary Club • Ecology Club • Green Thumb • NARWHALS • Science Olympiad • Astronomy Club • Chemistry Club • DECA Club • FCCLA • RIOT - Research Investigators of Tomorrow • WYSE - World Youth in Science & Engineering

For additional information on D219 Career Pathways please see your counselor, visit the college and career resource center, and/or make an appointment to sit down with one of our curriculum directors.



Arts & Communications

AC Careers

Certification/Associates Degree:

- A/V System Service Technician
- Actor / Instructor
- Animator
- Announcer
- Art Educator
- Audio Visual Tech
- Broadcast Technician
- Business Administration
- Casting Director
- Composer
- Computer Programming
- Copywriter
- Dancer
- Design and Package Design
- Digital Print Production
- Director (film/TV/theatre)
- Fashion Design
- Fashion Merchandising
- Fashion/Textiles
- Fight Choreographer
- Graphic Arts
- Hospitality Management
- Industrial Designer
- Interior Design: Kitchen and Bath
- International Business
- Management
- Marketing
- Music Therapist
- Package Design
- Printing Press Operator
- Production Designer
- Public Relations
- Recording Engineer
- Rigger
- Small Business Management
- Sound Technician/ Stage Crew
- Stage & Screen Director
- Stunt Worker
- Technical Director
- Video Game Designer
- Web Design
- Website Designer

Bachelor's Degree or Higher:

- Anthropologist
- Archivist
- Art Dealer
- Artist/Art Director/Art Therapist/Art Dealer
- Choreographer
- Cinematographer
- Composer/ Conductor
- Conservator
- Costume Designer
- Curator
- Journalist
- Lighting/Sound Designer
- Mass Communication
- Media Buyer/Planner
- Photographer
- Producer
- Recording Engineer
- Set Designer/ Props Artisan
- Theatre Critic
- Videographer

High School Schedule

9th Grade	10th Grade	11th Grade	12th Grade
Freshman English	Soph English	Junior English	College Prep / Elective
Biology	Chemistry	Physics	Pathway Course
Science Lab	Science Lab	Science Lab	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Math	Math	Math	Pathway Course
World History	Civics / Pathway	US History	Pathway Course
Freshman PW	Soph PW / Health	PW Elective	PW Elective
Lunch	Lunch	Lunch	Lunch

Career Pathway Courses

Choir: Choraliers • Chamber Choir • Advanced Choir

Orchestra: Beginning Strings • Concert Orchestra • Philharmonic Orchestra • Symphonic Orchestra

Visual Art: Art Foundations • Digital Photo 1 • Digital Photo 2 • Graphic Design • Ceramics • Ceramics 2 • Adv Studio Art • Adv 2D Design • AP Studio Art • AP 2-D Design • Painting & Drawing • Arts Appreciation • AP 3D Design

Band: Beginning Band • Concert Band • Symphonic Band • Symphonic Wind Ensemble • Jazz Band • Percussion Techniques

Fashion: Fashion 1 • Fashion 2 • Fashion Studio (Dual Credit)

Theatre: Theatre Workshop • Acting • Advanced Theatre Studio • Directing • Play Production

General Music: Guitar • Electronic Music • Digital Piano • Music Theory

Debate: Introduction to Debate • Debate • Advanced Debate

Publications: Broadcasting Production • Honors Broadcasting Production • Yearbook (Meets English Requirement) • News Production • Motion Graphics for Broadcast Journalism • Digital Storytelling

Suggested AP & Dual Credit Coursework *See Career Pathway courses for additional Options

- AP Music Theory
- AP Art
- AP Computer Science Principles
- AP Physics
- AP Language

- MakerStudio (Dual Credit)
- Welding & Metal Fabrication (Dual Credit)
- Civil Engineering & Architecture (Dual Credit)
- Introduction to Engineering Design (Dual Credit)

Public Speaking Choose one: •Intro to Debate •Theatre Workshop •Public Speaking •Digital Storytelling •Novice Broadcast Production •STEM Inquiry and Research

Consumer Education Choose one: •Business Tech 1 and 2 •Consumer Education •Work Study 1 and 2

Additional Career Pathway Courses: • World Language - Chinese, French, German, Hebrew, Spanish • Business Incubator • Entrepreneurship & Business Strategies • Intro to Computer Science • Marketing See coursebook for additional electives.

Clubs: • FCCLA • Theatre Productions • Art Club • Girls Who Code • Music Ensembles • Thespian Troupe • Clay Club • Fashion Club • Graphic Arts Club

For additional information on D219 Career Pathways please see your counselor, visit the college and career resource center, and/or make an appointment with one of our curriculum directors.



Finance & Business Services

FBS Careers

Certification/Associates Degree:

- Certified Financial Analyst (CFA)
- Certified Financial Manager (CFM)
- Certified Financial Planner (CFP)
- Certified in Transportation and Logistics (CTL)
- Certified Management Accountant (CMA)
- Certified Mark. Mgmt. Professional (CMMP)
- Certified Public Accountant (CPA)
- Information Security Manager (CISM)
- Project Management Professional (PMP)
- Accounting Associate
- Accounting Clerk
- Administrative Assistant
- Bank Manager
- Bank Teller
- Bookkeeper
- Business Administration
- Business Management
- Claims Adjuster
- Credit Counselor
- Customer Service Rep.
- Entrepreneur/ Business Owner
- Event Planner
- Human Resource Management
- Insurance Agent
- International Business
- Loan Officer
- Marketing Associate
- Money Manager
- Real Estate Agent
- Sales Manager
- Sales Representative
- Supply Chain Management
- Tax Preparer
- Underwriter
- Wholesale and Retail Buyer

Bachelor's Degree or Higher:

- Accountant/ CPA
- Actuary
- Advertising Broker
- Auditor
- Commodities Broker
- Corporate Trainer
- Economist
- Financial Advisor
- Financial Analyst
- Financial Planner
- Human Resources Director
- Insurance Agent
- Investment Banker
- Market Research Analyst
- Marketing Manager
- Project Manager/ Consultant
- Public Relations Manager
- Quality Management Professional
- Real Estate Broker
- Research Analyst
- Sports Marketing Account Executive/ Manager
- Stockbroker
- Trader
- Venture Capitalist

High School Schedule

9th Grade	10th Grade	11th Grade	12th Grade
Freshman English	Soph English	Junior English	College Prep / Elective
Biology	Chemistry	Physics	Pathway Course
Science Lab	Science Lab	Science Lab	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Math	Math	Math	Pathway Course
World History	Civics / Pathway Course	US History	Pathway Course
Freshman PW	Soph PW / Health	PW Elective	PW Elective
Lunch	Lunch	Lunch	Lunch

Career Pathway Courses

- Business & Technology (S 9-10)
- Marketing (S 10-12)
- Investing (S 10-12)
- Business Incubator (Y 11-12)
- Entrepreneurship & Business Strategies (Y 11-12)
- Financial College Accounting (Y 11-12)
- Managerial College Accounting (Y 12)
- Work Study (Y 11-12)

Suggested AP & Dual Credit Coursework

- | | |
|---|---|
| <ul style="list-style-type: none"> • AP Computer Science Principles • AP Computer Science A • AP Economics | <ul style="list-style-type: none"> • AP Language • AP Statistics • MakerStudio (Dual Credit) |
|---|---|

Public Speaking Choose one:

- Intro to Debate • Theatre Workshop • Public Speaking • Digital Storytelling • Novice Broadcast Production • STEM Inquiry and Research

Consumer Education Choose one:

- Business Tech 1 and 2 • Consumer Education • Work Study 1 and 2

Additional Career Pathway Courses Choose one:

- World Language - Chinese, French, German, Hebrew, Spanish • Art • Fashion 1 • Intro to Computer Science • Music • Probability & Statistics • SIRS • Theatre Workshop See coursebook for additional electives.

Clubs: • DECA • Student Government • Girls Who Code • App Development

For additional information on D219 Career Pathways please see your counselor, visit the college and career resource center, and/or make an appointment to sit down with one of our curriculum directors.

Information Technology (IT)



IT Careers

Certification/Associates Degree:

- Administration
- App Developer
- Cisco CCENT
- CIW Web Foundations Associate
- CompTIA IT Fundamentals
- CompTIA Networking+
- CompTIA Project+
- CompTIA Security+
- Computer Animator
- Computer Information Systems
- Computer Programmer
- Computer Support
- Cybersecurity Technician
- Database Management
- Digital Media Specialist
- E-Business Consultant
- Electronics Engineering Tech
- Field Service IT Technician
- Linux Administrator
- Microsoft Office Specialist
- MTA: Database Fundamentals
- MTA: Windows Server
- Network Administration
- Oracle Administrator
- Software Development
- Unix Administrator
- Video Game Developer
- Web Administrator
- Web Application Development
- Web Architect/Designer
- Web Visual Design

Bachelor's Degree or Higher:

- Bioinformatics Specialist
- Business Analyst
- Cloud Security Engineer
- Computer and Information Research Scientist
- Computer Network Architect
- Computer Programmer
- Computer Systems Analyst
- Computer User Support
- Data Analyst
- Electrical Engineer
- Front End Developer
- iOS Developer
- Java Engineer
- Manager
- Network & Computer Systems/Database Administrator
- Project Manager
- Scientific & Medical Illustrator
- Scientist and System

High School Schedule

9th Grade	10th Grade	11th Grade	12th Grade
Freshman English	Soph English	Junior English	College Prep / Elective
Biology	Chemistry	Physics	Pathway Course
Science Lab	Science Lab	Science Lab	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Math	Math	Math	Pathway Course
World History	Civics / Pathway Course	US History	Pathway Course
Freshman PW	Soph PW / Health	PW Elective	PW Elective
Lunch	Lunch	Lunch	Lunch

Career Pathway Courses

- Introduction to Computer Science (S 9-12)
- CyberSecurity (S 10-12)
- AP Computer Science Principles / CSP-PLTW (Y 9-12)
- AP Computer Science A (Y10-12)
- Advanced App Development (Y 11-12)
- Digital Electronics (DE- PLTW) (Dual Credit) (Y 10-12)
- Engineering Design & Development (EDD-PLTW) (Dual Credit-Research Course) (Y 11-12)

Suggested AP & Dual Credit Coursework

- AP Physics
- AP Calculus
- AP Economics
- AP Statistics
- AP Language

- Computer Integrated Manufacturing (CIM-PLTW) (Dual Credit)
 - Introduction to Engineering Design (IED-PLTW) (Dual Credit)
 - Principles of Engineering (POE-PLTW) (Dual Credit)
- *See Career Pathway courses for additional Options

Public Speaking Choose one: •Intro to Debate •Theatre Workshop •Public Speaking •Digital Storytelling
•Novice Broadcast Production •STEM Inquiry and Research

Consumer Education Choose one: •Business Tech 1 and 2 •Consumer Education •Work Study 1 and 2

Additional Career Pathway Courses: • World Language- Chinese, French, German, Hebrew, Spanish • Art • Automotive Fundamentals • Business & Technology • Business Incubator • Financial College Accounting • Entrepreneurship & Business Strategies • Investing • Financial Accounting • Probability & Statistics • Marketing • SIRS

See coursebook for additional electives.

Clubs: • App Development Club • Robotics Club • Science Olympiad • Girls Who Code • Auto Competition Club • RIOT -Research Investigators of Tomorrow • WYSE - World Youth in Science & Engineering

For additional information on D219 Career Pathways please see your counselor, visit the college and career resource center, and/or make an appointment to sit down with one of our curriculum directors.

Manufacturing, Engineering, Technology, & Trades



METT Careers

Certification/Associates Degree:

Advanced Manufacturing
Aerospace Machinist
Air Conditioner Tech
Air Traffic Controller
Aircraft Mechanic
American Welding Society (AWS)
Auto Assembler
Auto Body Repair
Auto Technician
Bookbinder
Cable Installer
Cargo & Freight Agent
Carpenter
Cartographic Technician
Civil Engineer Tech
CNC Programmer
Electronics Technician
Engineering Tech
Environmental Tech
Furniture Assembler
General Contractor/Building
HVAC Technician
Industrial Manufacturing
Industrial Technician
Machinist
Manufacturing Technology
Metrology/Measurement
Mold Maker
Musical Instrument Designer
Nanotechnology Technician
National Institute of Metalworking Skills (NIMS)
Pipefitter
Sheet Metal Worker
Society of Manufacturing Engineers (SME)
Technology & Manufacturing Aligned (TMA)
Tool and Die Maker
Welder

Bachelor's Degree or Higher:

Airline Pilot/Co-Pilot
Architect
Astronaut
Civil Engineer, Electronics Engineer
CNC Applications Engineer
Industrial Systems Engineer
Manufacturing Engineer
Mechanical Engineer
Plant Manager
Product Design Engineer
Quality Assurance Inspector
Safety Analyst

High School Schedule

9th Grade	10th Grade	11th Grade	12th Grade
Freshman English	Soph English	Junior English	College Prep / Elective
Biology	Chemistry	Physics	Pathway Course
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Pathway Course	Pathway Course	Pathway Course	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Math	Math	Math	Pathway Course
World History	Civics / Pathway Course	US History	Pathway Course
Freshman PW	Soph PW / Health	PW Elective	PW Elective
Lunch	Lunch	Lunch	Lunch

Career Pathway Courses

- MakerStudio (Dual Credit) (S 9-12)
- Intro. to Engineering Design (IED-PLTW) (Dual Credit) (Y 9-12) *Women in Engineering Option
- Principles of Engineering (POE-PLTW) (Dual Credit) (Y 10-12)
- Digital Electronics (DE- PLTW) (Dual Credit) (Y 10-12)
- Civil Engineering & Architecture (CEA-PLTW) (Dual Credit) (Y 10-12)
- Automotive Fundamentals (Y 9-12)
- Automotive System, Service, & Diagnostics (Y 10-12)
- Computer Integrated Manufacturing (CIM- PLTW) (Dual Credit) (Y 10-12)
- CNC Programming & Machining Technology (Dual Credit) (S 10-12)
- Welding & Metal Fabrication (Dual Credit) (S 10-12)
- Advanced Welding & Metal Fabrication (Dual Credit) (S 10-12)
- Engineering Design & Development (Research Course) (Y 11-12)

Suggested AP & Dual Credit Coursework *See Career Pathway courses for additional Options

• AP Physics • AP Computer Science Principles • AP Computer Science A • AP Calculus • AP Economics • AP Statistics • AP Environmental Science • AP Language

Public Speaking Choose one: •Intro to Debate •Theatre Workshop •Public Speaking •Digital Storytelling
•Novice Broadcast Production •STEM Inquiry and Research

Consumer Education Choose one: •Business Tech 1 and 2 •Consumer Education •Work Study 1 and 2

Additional Career Pathway Courses: • World Language - Chinese, French, German, Hebrew, Spanish • Art • Business Incubator • Fashion1 • Intro to Computer Science • Investing • Music • Marketing • Probability & Statistics • Theatre Workshop • See coursebook for additional electives

Clubs: • App Development Club • Robotics Club • DECA • WYSE • Auto Competition Club • Girls Who Code • Science Olympiad • RIOT -Research Investigators of Tomorrow • WYSE - World Youth in Science & Engineering • Astronomy Club • Chemistry Club

For additional information on D219 Career Pathways please see your counselor, visit the college and career resource center, and/or make an appointment with one of our curriculum directors.

Human and Public Services



HPS Careers

Certification/Associates Degree:

- 911 Operator
- Addiction Counselor
- Bomb Technician
- Certified Corrections Officer
- Child Care Assistant
- Coach
- Community Service Director
- Community Worker
- Cosmetology
- Court Reporter
- CPR Certification
- Dry Cleaner
- EMT Certification
- Esthetician
- Event Planner
- Fire Inspector
- Firefighter
- Floral Business
- Gateway ECE Credential
- Home Health Aide
- Housekeeping Business
- Interpreter
- Law Enforcement Officer
- Library Technician
- Massage Therapist
- Motivational Speaker
- OSHA Certification
- Paralegal Studies Certificate
- Paramedic Certificate
- Park Ranger
- Personal Fitness Trainer
- Police Canine Trainer
- Sign Language Interpreter
- Teacher Assistant
- Youth Services

Bachelor's Degree or Higher:

- Abuse Counselor
- Adult Literacy Teacher
- Art / Music Therapist
- Aviation Security Specialist
- Bioethicist
- Certified Financial Planner
- Clinical Psychologist
- Counselor / Vocational Counselor
- Criminologist
- Dietitian
- Early Childhood Educator
- Family Therapist
- FBI Agent
- Foreign Language Teacher
- Hospice Worker
- Immigration Officer
- Lawyer
- Legislator
- Librarian
- Political Scientist
- Psychiatrist
- Psychologist
- Social Worker / Caseworker
- Speech Language Pathologist
- Substance Abuse Counselor
- Teacher

High School Schedule

9th Grade	10th Grade	11th Grade	12th Grade
Freshman English	Soph English	Junior English	College Prep / Elective
Biology	Chemistry	Physics	Pathway Course
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Pathway Course	Pathway Course	Pathway Course	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Math	Math	Math	Pathway Course
World History	Civics / Pathway Course	US History	Pathway Course
Freshman PW	Soph PW / Health	PW Elective	PW Elective
Lunch	Lunch	Lunch	Lunch

Career Pathway Courses

- Business & Technology (S 9-10)
- Introduction to Computer Science (S 9-12)
- Early Childhood Education Level 1 (Y 10-12)
- Early Childhood Education Level 2 (Dual Credit) (Y 10-12)
- AP Psychology (Y 10-12)
- Law (S 10-12)
- Sociology (S 10-12)
- Forensic Science (S 11-12)
- AP Government and Politics (Y 10-12)

Suggested AP & Dual Credit Coursework *See Career Pathway courses for additional Options

- | | |
|--|---|
| <ul style="list-style-type: none"> • AP Computer Science Principles • AP Computer Science A • AP Economics • AP Statistics | <ul style="list-style-type: none"> • AP Language • Health Careers (Dual Credit) • AP Chemistry • AP Biology |
|--|---|

Public Speaking Choose one:

•Intro to Debate •Theatre Workshop •Public Speaking •Digital Storytelling •Novice Broadcast Production •STEM Inquiry and Research

Consumer Education Choose one:

•Business Tech 1 and 2 •Consumer Education •Work Study 1 and 2

Additional Career Pathway Courses:

• World Language Chinese, French, German, Hebrew, Spanish • Art • Business Incubator • Broadcasting • College Prep - Social Justice and Equity • Entrepreneurship & Business Strategies • Fashion 1 • Investing • Law • Music • Marketing • Newspaper • Probability & Statistics • SIRS • Theatre Workshop
See coursebook for additional electives.

Clubs: • DECA • Mock Trial • Speech Team • Model UN • Student Government • Dance Marathon
• FCCLA • CEC Club • PALS

For additional information on D219 Career Pathways please see your counselor, visit the college and career resource center, and/or make an appointment to sit down with one of our curriculum directors.

Health Science and Technology



HST Careers

Certification/Associates Degree:

- Anesthesiologist Assistant
- Cardiographic Technician
- Certified Nursing Assistant (CNA)
- Clinical Medical Assistant
- Community Health
- Dental Hygiene
- Diagnostic Medical Sonography
- Dialysis Technician
- Dietary Manager
- Emergency Medical Services
- Emergency Medical Technician (EMT)
- Health Information Technology
- Hospital Admitting Clerk
- Massage Therapist
- Medical Transcriptionist
- Nursing
- Pharmacy Technician
- Phlebotomist
- Physical Therapy Assistant
- Practical Nursing (LPN)
- Radiologic Technology
- Respiratory Therapist
- Surgical Technician
- Ultrasound Technician
- Unit Coordinator
- Home Health Aide

Bachelor's Degree or Higher:

- Anesthesiologist
- Athletic Trainer
- Audiologist
- Chiropractor
- Dentist / Dental Technician
- Dietitian and Nutritionist
- Epidemiologist
- Ethicist
- Exercise Physiologist
- Geneticist
- Healthcare Administrator
- Medical Librarian
- Music Therapist
- Nano Scientist
- Nurse
- Nurse Practitioner
- Occupational Therapist
- Optometrist
- Paramedic
- Pharmacist / Pharmacy Technician
- Physical Therapist
- Physician / Surgeon
- Psychologist
- Speech Pathologist
- Therapist

High School Schedule

9th Grade	10th Grade	11th Grade	12th Grade
Freshman English	Soph English	Junior English	College Prep / Elective
Biology	Chemistry	Physics	Pathway Course
Science Lab	Science Lab	Science Lab	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Pathway Course	Pathway Course	Pathway Course	Pathway Course
Math	Math	Math	Pathway Course
World History	Civics / Pathway Course	US History	Pathway Course
Freshman PW	Soph PW / Health	PW Elective	PW Elective
Lunch	Lunch	Lunch	Lunch

Career Pathway Courses

- Business & Technology (S 9-10)
- Introduction to Computer Science (S 9-12)
- AP Psychology (Y 10-12)
- Health Careers/ Medical Terminology (Dual Credit) (Y 11-12)
- Anatomy & Physiology (Y 11-12)
- Basic Nursing Assistant - BNAT (Dual Credit) (Y 12)
- STEM Inquiry & Research (SIRS) (Y 9-12)
- AP Biology (Y 11-12)

Suggested AP & Dual Credit Coursework *See Career Pathway courses for additional Options

- | | |
|--|---|
| <ul style="list-style-type: none"> • AP Physics • AP Chemistry • AP Computer Science Principles | <ul style="list-style-type: none"> • AP Computer Science A • AP Calculus • AP Language |
|--|---|

Public Speaking Choose one: •Intro to Debate •Theatre Workshop •Public Speaking •Digital Storytelling
•Novice Broadcast Production •STEM Inquiry and Research

Consumer Education Choose one: •Business Tech 1 and 2 •Consumer Education •Work Study 1 and 2

Additional Career Pathway Courses: • World Language - Chinese, French, German, Hebrew, Spanish • Art • Business Incubator • Entrepreneurship & Business Strategies • Fashion 1 • Investing • Music • Marketing • Probability & Statistics • SIRS • Theatre Workshop See coursebook for additional electives.

Clubs: • DECA • Robotics Club • Chemistry Club • HOSA -Future Health Professionals • RIOT -Research Investigators of Tomorrow • WYSE - World Youth in Science & Engineering • Science Olympiad

For additional information on D219 Career Pathways please see your counselor, visit the college and career resource center, and/or make an appointment to sit down with one of our curriculum directors.

District 219 Policies

- **Athletic and Extracurricular Eligibility:**
Students must complete passing work and be enrolled in a minimum of twenty-five (25) credit hours per week in order to participate in the meetings, practices, competitions, and other programs associated with any extra-curricular activity, as defined below (including athletics). ([Policy 6:190-AP1](#))
- **Audit:**
The audit option allows students to explore an area of study without the pressure of receiving a grade that impacts grade point average. Students may audit only courses that are not required for graduation. (Only a grade of "AU" will appear on the transcript.) ([Policy 6:280-AP3](#))
- **Audit for Late Transfer Enrollment** ([Policy 7:50-AP2](#))
- **Changes in Course Selections:** ([Policy 7:30-AP1](#))
- **Early Graduation** ([Policy 6:300](#))
- **Grades and Grade Point Averages** ([Policy 6:282-E1; also see below](#))

Level	A	B	C	D	F
General Ed	4.0	3.0	2.0	1.0	0
Honors	4.5	3.5	2.5	1.5	0
Advanced Placement	5.0	4.0	3.0	2.0	0

Grade point averages are calculated for each student, every semester. All courses are included in these averages except for driver education, correspondence courses, pass/fail courses, audit and independent study courses, and courses taken as part of an exchange program.

- **Grading System** ([Policy 6:280-AP3; also see below](#))

Grade	Percentage	Meaning of Grade	Counts in GPA?	May be repeated?
A	90-100%	high achievement	yes	no
B	80-89%	above average achievement	yes	no
C	70-79%	average achievement	yes	no
D	60-69%	below average achievement	yes	yes
F	59% and below	failing	yes	yes
WF		withdrawn failing	yes	yes
WP		withdrawn passing	no	yes
INC		incomplete	no	N/A
AU		audit	no	yes

- High School Credit For Non-District Experiences; Course Substitutions; Re- Entering Students ([Policy 6:310](#))
- Honor Roll - ([Policy 6:330](#))
The Honor Roll is calculated on grades for a single grading period (Term GPA). To be eligible for the honor roll, a student:
 - Must be carrying 5 or more graded courses for credit.
 - Cannot receive an F or an incomplete in any course.

At the end of a semester, the honor roll is determined by the Term GPA.

- Very High Achievement (Purple or Red Certificate): Term GPA = 3.8 or greater.
- High Achievement (White Certificate): Term GPA = 3.0 - 3.79.

Academic Honors - The following awards can be given at the conclusion of a student's Senior year - based on Cumulative GPA, as of the 7th semester (calculated February 1 of the senior year):

Cum laude = 3.5 - 3.7

Magna Cum Laude = 3.8 - 3.9

Summa Cum Laude = 4.0 or higher

- Normal Course Load ([Policy 6:300-AP1](#))
Full-time students must be assigned a schedule that includes at least 300 minutes under supervision. (Lunch is not included in these minutes.) Full-time students must be scheduled for a minimum of six (6) credits and a maximum of seven (7) credits per semester, including Physical Education. Part-time students (those who are home-schooled or attending a private day school for part of the school day) are excluded from the six (6) credit minimum and the 300 minutes requirement.
- Physical Education Exemption Procedures: ([Policy 6:310-AP3](#))
- Repeating Courses ([Policy 6:280-AP1](#))
- Standards for Promotion ([Policy 6:280-AP2](#))
 - To be promoted to Sophomore status, students must have earned at least 10 credits by the end of the second semester in high school.
 - To be promoted to Junior status, students must have earned at least 20 total credits by the end of their fourth semester in high school. Credits must be earned in the following areas: English: 4.0 credits: 2 credits in Freshman English, 2 credits in Sophomore English
 - To be promoted to Senior status, students must have earned at least 28 total credits by the end of their sixth semester in high school. Credits must be earned in the following areas: English: 6.0 credits: 2 credits in Freshman English, 2 credits in Sophomore English, and 2 credits in Junior English
- Student Handbook ([Link](#))
- D219 Summer School ([Link](#))
- Additional Resources:

Career Cruising: Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.

Maialearning: is a comprehensive college and career readiness solution that helps districts and schools align student strengths and interests to postsecondary goals, improving student outcomes and connecting learning to life.

Niles North High School

- Niles North Student Services
- Niles North - The Point
- College Career Center
- Niles North Student Activities
- Niles North Athletics

Niles West High School

- Niles West Student Services
- Niles West - Literacy Center
- College Career Center
- Niles West Student Activities
- Niles West Athletics

D219 Graduation Requirements

English - 8 Credits - 2 credits in Freshman English, 2 credits in Sophomore English, 2 credits in American Literature & Composition, and any combination of 2 credits in College Preparatory English, or 1 credit in College Preparatory English along with 1 credit in an English elective, or 2 credits in AP English elective. *Public Speaking & Yearbook receive English credit.

Math - 6 Credits- 2 credits must be in a 1st year Algebra course or a course for which 1st year Algebra is a prerequisite, and 2 credits must be in a course that contains Geometry content or a course for which Geometry is a prerequisite. (Most colleges strongly recommend or require 4 years of math.)

Physical Welfare and Health - 1 Credit for every semester enrolled at District 219. For most students, this will be 8 credits, plus meeting the health proficiency. The Health Graduation Requirement is embedded in Sophomore PE.

Science - 6 Credits - 2 credits in life science (Biology) and 4 credits in physical science (Chemistry & Physics or Science Topics).

Social Studies - 6 Credits -2 credits in World History, 2 credits in US History, and 1 credit in Civics, and 1 credit in a Social Studies elective, or 2 credits in AP Government.

Consumer Education - 1 Credit - 1 credit in Consumer Education, or 2 credits in Business and Technology 1&2, or 2 credits in work study will satisfy this requirement.

Public Speaking - 1 Credit - One semester of public speaking is required. This requirement may be fulfilled by taking one of the following classes: Public Speaking, Theatre Workshop, Broadcasting Production, STEM Inquiry and Research (SIRS), Digital Media Production: Digital Storytelling, Introduction to Debate, Debate., or Advanced Debate

Fine and Practical Arts - 2 Credits - Any combination of 2 credits in Art, Business Education, Computer Science, Drama, Engineering, Applied Technology, Automotive, Family & Consumer Science, or Music.

** Business and Technology 1 & 2 meets the Fine and Practical Arts credit and the Consumer Ed credit.*

** Theatre Workshop counts for 1 Fine and Practical Arts requirement and for the Public Speaking requirement.*

**Intro to Debate and/or Debate would fulfill the public speaking requirement and count as a Social Studies elective.*

**STEM Inquiry and Research would fulfill the public speaking requirement and count as a Science elective.*

Pathway Electives - 7 Credits - Additional credits not used to satisfy the above requirements. This includes courses used to meet the public speaking and consumer education requirements.

Total Credits: 44. (36 academic credits, plus 8 PE credits if enrolled in D219 for 8 semesters.)

General Guide to Requirements for College Entrance

Academic Areas	D219 Graduation Requirements *Additional Requirements	Community College Career Programs, Vocational Schools	4-Year Colleges and Universities, Community College Transfer Programs	Highly Selective Colleges and Universities
English	4 Years	4 Years	4 Years	4 Years
Math	3 Years	2 Years	3 Years	4 Years Recommended
Science	3 Years	2 Years	3 Years (Biology, Chemistry, and Physics)	4 Years Recommended
Social Studies	3 Years	2 Years	3-4 Years (Requirement varies)	3-4 Years (Requirement varies)
World Language	none	none	2 Years ¹	2 to 4 Years
Fine Arts or Vocational Education (Fine & Practical Arts Requirement)	1 Year	none	2 Years* Art, Business Education, Engineering Technology, Family & Consumer Sciences, Music, or Theatre	1 Year Recommended

The chart above compares the academic expectations of various post-high school opportunities available to graduates. It is intended only as a general guide.

¹ World Language preparation may be recommended or required by colleges or universities. *State-supported universities in Illinois may accept Vocational Education or Fine Arts courses in lieu of Foreign Language. Check with a counselor for details.

Counselors act as resource people but many specific questions are better directed to the college or university admissions staff. **Final admissions decisions are always up to the colleges.** They are usually based on the number of courses and the grade point average in those courses, as well as the student's scores on standardized admissions tests (ACT, SAT).

Requirements for admission to individual colleges and universities vary. Students who cannot maintain a "C" grade average (2.0) in high school may have some difficulty qualifying for college entrance. Some colleges may admit students with lower grade point averages who score well on entrance exams.

College Admissions Testing

Most public colleges and universities in the Midwest, including all Illinois state universities and most community colleges, may require the ACT or SAT as part of the admissions process. The State of Illinois does require the SAT for high school graduation.

Advanced Placement

District 219 offers numerous AP courses designed to help students receive college advanced placement credit by examination. Each year, Advanced Placement tests are administered to qualified students in May. Many colleges also give college credit through the College Level Examination Program (CLEP).

Dual Credit

District 219 offers many dual credit courses designed to help students earn college credit while they are still in high school.

*Please see Graduation Requirement Section for entire list of requirements.

Dual Credit

Dual Enrollment Programs allow qualified students to take college courses while enrolled in high school. Credits are accepted by most colleges nationwide, making the programs a great way for students to get a jump-start on a college degree.

District 219 currently offers dual credit course opportunities with Oakton Community College and Harper Community College. Students enrolled in these courses will receive a grade and credit at D219 and the Community College.

Niles 219	Introduction to Engineering Design - IED	⇒	Oakton CC	MFG 102
Niles 219	MakerStudio	⇒	Oakton CC	CAD107
Niles 219	Principles of Engineering- POE	⇒	Oakton CC	CAD 210
Niles 219	Digital Electronics - DE	⇒	Oakton CC	ELT 221
Niles 219	Civil Engineering & Architecture - CEA	⇒	Oakton CC	CAD 220
Niles 219	Computer Integrated Manufacturing - CIM	⇒	Oakton CC	MFG 111
Niles 219	CNC Programming & Machining Technology	⇒	Oakton CC	MFG 110
Niles 219	Welding & Metal Fabrication	⇒	Oakton CC	MFG 120
Niles 219	Advanced Welding	⇒	Oakton CC	MFG 125
Niles 219	Basic Nurse Assistant (BNAT)	⇒	Oakton CC	BNA 100 & BNA 105
Niles 219	Health Careers	⇒	Oakton CC	HIT 104
Niles 219	Early Childhood Education Level 2	⇒	Oakton CC	ECE 102
Niles 219	AP Environmental Science	⇒	Loyola U.	SC2E
Niles 219	Fashion Studio	⇒	Harper CC	FAS 101

BUSINESS EDUCATION

Business & Technology 1 BUSB09

Credit:	1 - <i>General Ed</i>	Business & Technology 1 introduces students to core business education concepts including management, entrepreneurship, marketing, finance and investing, and broadcasting. Technology, such as, Google Docs, Spreadsheet, Presentation and video editing, is incorporated throughout the units to ensure digital literacy and enhance comprehension.
Grades:	9-10	
Prerequisite:	None	

Business & Technology 2 BUSB10

Credit:	1 - <i>General Ed</i>	Business & Technology 2 focuses on consumer education and personal finance including budgeting, credit, taxes, banking services, and more. Emphasis is placed on developing competence in personal finance.
Grades:	9-10	
Prerequisite:	Business & Technology 1	*Bus & Tech 1 & 2 meets Consumer Ed graduation requirement

Marketing BUSS01

Credit:	1 - <i>General Ed</i>	This course will provide students with the fundamental principles and concepts identified with sports and entertainment marketing, and teach them to develop critical thinking and decision-making skills through the application of marketing principles in these industries. Students will create a variety of marketing plans and projects throughout the semester.
Grades:	10-12	
Prerequisite:	None	

Investing and Finance BUSI03

Credit:	1 - <i>General Ed</i>	Students will take an in-depth look into the areas of wealth building and receive helpful advice on how to set investment goals, accumulate wealth, and achieve financial security. Students will learn to keep accurate records and utilize Stock Market simulations to get the hands-on experience of trading and selling stocks.
Grades:	10-12	
Prerequisite:	None	

Financial College Accounting BUYA05 (AP)

Credit:	2 - <i>AP</i>	This course includes computerized business simulations and financial plans allowing students to integrate various methods of accounting. Viewing books of various businesses will give students first hand knowledge of actual work performed in advanced accounting and further prepare students as they prepare to enter a college accounting program.
Grades:	11-12	
Prerequisite:	None	

Managerial College Accounting BUYA07 (AP)

Credit:	2 - <i>AP</i>	This course presents managerial accounting as a system of producing information for internal use in a business. Managerial accounting concepts covered include: job order and process cost systems and tools used for managerial decision making (i.e., cost behavior, cost estimation, analysis, capital investment analysis, etc.). The course involves a study of budgeting and standard cost systems.
Grades:	11-12	
Prerequisite:	Financial College Accounting	

Business Incubator BUYB12 (Honors)

Credit:	2 - Honors	<p>The INCubatoredu program is designed to get students excited about becoming true entrepreneurs by providing an authentic entrepreneurship experience. Students will have the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business model development. Over the course of the year, student teams will learn about marketing, finance, as well as the legal aspects of starting a business. They will have access to a network of professionals to further develop their skills (teamwork, problem solving, presentation, communication) for college and career readiness.</p>
Grades:	11-12	
Prerequisite:	None	

Business Strategies & Entrepreneurship BUYB11 (Honors)

Credit:	2 - Honors	<p>The course offers students guided experience to engage in project-based learning where they can actively explore real-world problems and challenges. The students will engage with business professionals to identify a problem, conduct research, analyze key metrics, utilize current business methods to solve the problem, and evaluate the success of their project. Business Strategies students will master 21st Century Skills necessary for success in the workplace, such as, critical thinking and problem solving, communication, collaboration, creativity and innovation. Students enrolled in the course will have the opportunity to compete at the regional, state, and international level of DECA, a competitive business club.</p>
Grades:	11-12	
Prerequisite:	None	

Consumer Education BUSC01

Credit:	1 - General Ed	<p>This course covers concepts including management of personal business affairs, including consumer law, checking and banking services, credit, loans, installment buying, budgeting, housing, informed and skillful buying, consumer protection, and the role business and government play in our economy. Emphasis is placed on developing personal economic decision-making competence.</p>
Grades:	10-12	
Prerequisite:	None	

Work Study CVYC01, CVYC21

Credit:	2-4 - General Ed	<p>Work Study is a work experience program in which the students receive instruction about the world of work, its opportunities and responsibilities. The course combines learning experience gained through employment in the community and Education-to-Career oriented in-school instruction. Classroom instruction focuses on providing students with job survival skills, career and educational exploration, skills related to the job, and improving students' abilities to interact positively with others. The teacher will assist the student in finding approved employment. <i>Completion of one full year of Work Study meets consumer education graduation requirement.</i></p>
Grades:	11-12	
Prerequisite:	Approval of Coordinator & Director. Must be 16 years old.	

COMPUTER SCIENCE & INFORMATION TECHNOLOGY

Introduction to Computer Science ITSC01

<i>Credit:</i>	1- General Ed	Designed to be the first computer science course for students who have never programmed before. Students create interactive stories in Scratch™ (an easy-to-use programming language); work in teams to create simple apps for mobile devices using App Inventor; and analyze data about students' health, social habits, and interests using functions in Excel®. Students will learn the impact of computing cross career paths. They will also transfer the understanding of programming gained in App Inventor to a third language, Python®, in which they learn introductory elements of text-based programming. The course aligns with the Computer Science Teachers Association (CSTA) 3A
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

AP Computer Science Principles / Computer Science & Software Engineering ITYC03 (AP)

<i>Credit:</i>	2- AP	This engineering course is project- and problem-based, with students working in teams to develop computational thinking and solve open-ended, practical problems that occur in the real world. It also aims to generate excitement about the field of computing, and to introduce computational tools that foster creativity. The course will expose students to the high- demand career paths within Computer Science and Information Technology. Students will learn fundamental programming concepts using both Scratch and Python, create an interactive web page, develop a simple android device app, and engage problems involving predictions based on computer models.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

CyberSecurity ITSC07

<i>Credit:</i>	1- General Ed	Cybersecurity gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially, “outside-the-box” thinking. Students explore the many educational and career paths available to cybersecurity experts, as well as other careers that comprise the field of information security.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	None	

AP Computer Science A ITYC05 (AP)

<i>Credit:</i>	2- AP	This course is a prerequisite for Adv App Development and is intended for serious students of computer programming. Students will learn to write software applications and applets using the Java™ language. The course emphasizes the design issues that make programs understandable, adaptable, and, when appropriate, reusable. Object-oriented programming and algorithm design will also be emphasized. A well-prepared student may receive 1 semester of college credit in Computer Science by scoring well on the AP Computer Science Exam.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	AP Computer Science Principles or Director Approval	

Advanced App Development ITYA07 (AP)

<i>Credit:</i>	2- AP	Advance App Design is a post-AP course in Computer Science. Students will learn to design and program a wide variety of large scale software projects, including physics simulations, computer and mobile video games, statistical modeling and visualizations with big data and virtual reality programs. Students will be exposed to a multitude of programming languages and environments and will study some of the fundamental algorithms of computer science in areas such as artificial intelligence, object-oriented programming, recursion, data manipulation, and 2D / 3D Graphics. Students will develop a digital portfolio of original computer programs throughout the year that can be used for applying to college or obtaining employment in the Software
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	AP Computer Science A and teacher recommendation (may be repeated for credit)	

Computer Repair & Networking (Summer Only) ETC01

<i>Credit:</i>	2- General Ed	This course provides knowledge and skills in the area of computer hardware, software, design, and networking. This course is designed for the novice to advanced computer user seeking to upgrade his/her skills in order to gain entry into a career in computer repair and networking administration/support.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	None	

ENGLISH & READING

FRESHMAN PROGRAM

Freshman English 12-22 with Reading 1-2 (F19) ENYF19 & RDYR19

Credit:	4 - General Ed	This double-period course employs the same curriculum, rigorous texts and writing tasks as English 12-22, while including additional support for students who experience difficulty with reading comprehension, writing, and vocabulary. Students study short stories, mythology, non-fiction, novels and drama. Co-taught by an English teacher and a reading teacher, this course supports students as they work through the comprehension process via research-based reading strategies and differentiated tools that aid in developing complex reading skills. Emphasis in class is placed on becoming an active reader and developing critical reading strategies to improve comprehension and vocabulary, while fostering an enjoyment and appreciation for reading.
<i>Embedded Honors Option (Grade Weight IV) will be available during Semester 2</i>		
Grades:	9	
Prerequisite:	Placement recommendation	

Freshman English 12-22/11-21 ENYF03 or EN1X19 & ENX219 (ELL)

Credit:	2 - General Ed	This course focuses on the integration of writing and reading skills, vocabulary development, and mastery of English conventions. In each semester, instruction is based on mythology, the Bible as literature, fiction and selected poetry. In second semester, the study of Shakespearean drama is also integrated. Throughout the year, students are introduced to a variety of literary terminology and are taught how to read both for meaning and appreciation of assigned works and in selected outside reading.
<i>Embedded Honors Option (Grade Weight IV) will be available during Semester 2</i>		
Grades:	9	
Prerequisite:		

SOPHOMORE PROGRAM

Sophomore English 32-42/31-41 ENYS03 or EN1X29 & EN2X29 (EL)

Credit:	2 - General Ed	This course focuses on close reading of literature as a point of departure for persuasive and critical writing, emphasizing multi-paragraph essays, development, organization, and usage. The essays that the students read will serve as models for their compositions. In addition, the course includes the systematic study of vocabulary and usage, each of which is integrated into student writing. Throughout the year, students are introduced to a variety of literary terminology.
<i>Embedded Honors Option (Grade Weight IV) will be available during Semester 1 and 2</i>		
Grades:	10	
Prerequisite:	Freshman English	

Integrated Reading 3-4 RDYR39

Credit:	2 - General Ed	This course builds on the curriculum of Reading 1-2 to strengthen students' reading skills, including comprehension and fluency. Taught by a reading teacher, the teacher monitors students' reading abilities in order to measure progress and create a customizable reading program based on student need. This course works to support students as they build literacy skills in the core content areas and employs a research based skill continuum while being highly differentiated.
Grades:	10	
Prerequisite:	Placement	
Recommendation		

JUNIOR PROGRAM

American Studies - Literature and Composition (ALCUSH) ENYJ09 or ENYJ19 (ELL)

Credit: 2 - General Ed The primary outcomes of this course are the same as those in the separate American Literature and U. S. History courses. Students in this integrated course will also study the direct links between American history, literature, and culture in a thematic, team-taught setting.

Grades: 11

Prerequisite: Sophomore English 32-42

American Literature and Composition ENYJ15 (Honors)

Credit: 2 - Honors This course uses a thematic approach to the study of American literature and culture. It emphasizes close critical reading and analysis of primary and contemporary works of American literature. In conjunction with this literature study, the course emphasizes development of the student's rhetorical composition skills, orally and in writing.

Grades: 11

Prerequisite: Sophomore English Honors or teacher recommendation.

Great American Writers ENYJ01 (AP)

Credit: 2 - AP In this course, students work toward an understanding of the changing American character through the study of American literature. Intensive study of the representative works of American authors in all the genres: poetry, short story, novel, drama, and essay are required. Students develop skill in critical reading, thinking, discussing, and writing as well as critical examination of the canon itself. Authors studied may include Hawthorne, Twain, Emerson, Thoreau, Whitman, Dickinson, Melville, Miller, Faulkner, Hemingway, Fitzgerald, and others. This course helps students prepare to take the Advanced Placement Language and Composition Examination.

Grades: 11

Prerequisite: Sophomore Honors English or teacher recommendation

SENIOR PROGRAM

College Preparatory English (WRITING INTENSIVE COURSE) ENYL19, ENSL91

Credit: 1- General Ed / Honors College Prep English is a one-semester course directed toward seniors who expect to attend college or technical school. Emphasis is placed on improved skills in reading fiction and nonfiction. Students will receive practice in organizing and writing perceptively in a variety of modes, in selecting vocabulary words which are appropriate in denotation and connotation, as well as in drawing logical inferences from reading, distinguishing genres of short story, essay, biography, drama, and reportage. The semester-long course includes the use of research techniques and an independent reading project. Note that successful completion of the research paper is a requirement of this course.

Grades: 12

Prerequisite: None

College Prep - Literature and Moral Conflict ENSC10 or ENSC11 (Honors)

Credit: 1- General Ed / Honors This course investigates the concept of evil and ethics in various literary forms. Discussion and analytical composition on the similarities and differences in theme and stylistic approach is an integral part of the course. Readings may include: Divine Comedy, Faustus, The Mysterious Stranger, Childhood's End and selected philosophical readings.

Grades: 12

Prerequisite: None

College Prep - Literature of Peace and Non-Violence

ENSC20 or ENSC21 (Honors)

Credit: 1 - General Ed / Honors

Grades: 12

Prerequisite: None

This course examines different kinds of peace and non-violent movements both current and throughout history. Specifically, we will look at important and peaceful non-violent movements as they are represented in literature, nonfiction, and film. As we examine these issues of social justice, we will study historical figures whose work demonstrates that non-violence is an active rather than passive form of engagement. Students will have opportunities to hear speakers, examine their own role in non-violent modes of expression, and research local and global nonviolent movements that interest them.

College Prep - Literature of Sports & American Culture

ENSC30 or ENSC31 (Honors)

Credit: 1 - General Ed / Honors

Grades: 12

Prerequisite: None

Employing nonfiction and film, this one-semester course examines how the written and cinematic literature of sports not only chronicles the games we play but also how those games are woven into the fabric of the historical, social and political landscape of American culture. Assessments include guided discussion, reports, journaling, individual and collaborative projects and analytical essays.

College Prep - Social Justice and Equity

ENSC40 or ENSC41 (Honors)

Credit: 1 - General Ed / Honors

Grades: 12

Prerequisite: None

In this course, students will analyze and review his or her culture through an equity lens. Students will review fiction, nonfiction, TED videos, Op-eds, historical as well as contemporary laws, documentaries and the writings of multiculturalists to create an inclusive framework of their own culture. They will also view how one's culture fits within a global society. In addition, the district has worked towards increasing our equity capacity; therefore, the tenets of SEED and adaptive leadership as understood in the Courageous Conversations framework will be some of the influencers of this course, yet the main influencer of this course will be the student.

College Prep - Women and Gender Studies in Literature

ENSC50 or ENSC51 (Honors)

Credit: 1 - General Ed / Honors

Grades: 12

Prerequisite: None

This option for completing your senior English/senior research paper requirements allows students to explore questions of gender and evolving ideas of "feminism" in literature from the late 19th century through today. Students will evaluate ways in which women have been represented and have challenged those representations in literature through our reading of fiction, nonfiction, and poetry. Through study of works by numerous artists, representing numerous racial/ethnic points of view throughout the last century or so, students will explore this rich topic through numerous angles. The course will culminate in a research project in which students examine a short story, novel, play, group of poems, or film through a "feminist lens," bringing to bare on their analysis ideas and approaches we have developed throughout the semester.

College Prep - World Literature

ENSC60 or ENSC61 (Honors)

Credit: 1 - General Ed / Honors

Grades: 12

Prerequisite: None

Students from diverse backgrounds and interests will learn about each other while also honoring each other's cultures by engaging in meaningful study of current writing read globally. Contemporary literature of Asia and the Indian sub-continent will be among the bodies of work studied. This course will appeal to students with average level reading and writing skills who enjoy reading and analyzing literature.

AP English Literature ENYL01 (AP)

<i>Credit:</i>	2 - AP	Advanced Placement English requires students to reason and read critically, and to write logically, persuasively, and with a distinctive prose style. Essays are based on literature (particularly on close analyses of texts) and personal experience. A research paper and a creative project are integral parts of the course. The literature spans more than three thousand years and is predominantly European. AP English helps the student prepare for the college-level English literature and composition examinations given in May of each year by the National Advanced Placement Program. Success in this examination may entitle the student to college credit, advanced college placement, or both. Students are expected to complete both semesters.\
<i>Grades:</i>	12	
<i>Prerequisite:</i>	AP Great American Writers, or an "A" in American Literature and Composition (Honors), or teacher recommendation	

Additional English Electives

Creative Writing ENSG06

<i>Credit:</i>	1 - General Ed	This course is designed to enhance composition skills through the writing of poetry, plays and short stories. The course develops students' powers of observation and broadens their critical and aesthetic perceptions. Students should have a good command of the mechanics of written English and be willing to share their writing with others in a workshop fashion. Class activities include pre-writing exercises, reading, peer editing, and discussion of both professional and student writing and reading one's own work aloud. Students may also be required to maintain a journal.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

Asian American Literature ENS* or ENS* (Honors)

<i>Credit:</i>	1 - General Ed / Honors	Asian American Literature is a course that will involve the study of the ideas and experiences in Asian America and of Asian Americans. While the term "Asian Americans" represent a singular broad and vast demographic, the experiences of Asian Americans are not monolithic. They are diverse, varied, and nuanced, and yet, they are universal and everyday. The course will examine these experiences through critical thinking about novels, poems, short stories, essays, and/or film. These works will be studied with understanding about historical and/or political context about the role of Asians in the United States. Central to these studies will also be the examination of orientalism, the model minority myth, and the perpetual foreigner syndrome. Additionally, the analyses of race, identity, immigration, tradition, gender, and language will also naturally be included.
<i>Grades:</i>	10- 12	
<i>Prerequisite:</i>	None	

Bible and Mythology ENSL94 or ENSL04 (Honors)

<i>Credit:</i>	1 - General Ed / Honors	This course is provided for students who desire to interpret the meaning of the numerous Biblical and mythological references one encounters daily by reading them in their original contexts. Twelve weeks will be devoted to the Bible and six weeks to Greek Mythology. Intensive reading in both the Biblical writings (ancient Hebrew culture) and Hellenistic mythology (ancient Greek culture) will be accompanied by a clarification of the literary features of Hebrew and Greek writings in translations and by identifying their influence upon the Western world. Students should expect to master a large number of names, places, and events. The following books will be read: Bible, Odyssey, Metamorphoses, and Mythology.
<i>Grades:</i>	11- 12	
<i>Prerequisite:</i>	None	

Images of Literature ENSC07

<i>Credit:</i>	1 - General Ed	This course guides students through the study of shorter pieces of literature in a variety of forms: in print, on records, tapes, and on film--features to experimental. Class discussion is reinforced through expository writing, textbook readings, and articles from journals. There is also a review of literary terms, as well as cinematic terms, to facilitate students' understanding of the process of artistic creation.
<i>Grades:</i>	11 - 12	
<i>Prerequisite:</i>	None	

English Composition & Rhetoric

ENSG08 or ENSG18 (Honors)

Credit: 1 - General Ed

Grades: 9- 12

Prerequisite: None

This course is open to all students who recognize that enhancing their grammar and vocabulary skills will benefit them in reading and writing across all disciplines. Students will find that this course will also prepare them for the ACT and SAT college entrance exams. This course stresses development of grammar and vocabulary skills through methods such as memorization, drill and practice, speaking, listening, writing and reading. Various Internet sites and software are also used to facilitate individualized instruction. Students maintain a portfolio of their writing and are encouraged to become competent editors of their own writing.

Public Speaking

ENSC13

Credit: 1 - General Ed

Grades: 9-12

Prerequisite: None

This course is designed to improve students' communication skills and to develop self-confidence in group interaction. During the semester, a wide range of activities is covered. Basic speech skills including organization, audience analysis, effective delivery presentation, and speech preparation are learned primarily through practice with informative speeches drawn from students' experience and knowledge. Both extemporaneous (impromptu) and prepared speeches will be made. This course will actively address the need for reducing or modifying student fears associated with speaking in public. Student listening strategies will be addressed with ongoing emphasis. Meets Public Speaking Requirement.

Journalism

ENSG03

Credit: 1 - General Ed

Grades: 9-12

Prerequisite: None

Journalism will introduce students to journalistic principles and prepare them to assume responsibility on a student-run electronic and/or print publication. Basic techniques of online newspaper production to be covered include: interviewing, news, features, sports, editorial writing (columns and blogs), and reviews. Digital photography, video editing, and social media/ marketing, also will be covered, as they apply to web publication. Successful completion of Journalism and/or teacher consent serve as prerequisites for either Online Newspaper Production or Yearbook Production. Students who are interested in working for Niles West News or North Star are encouraged to enroll in Journalism.

Newspaper Production

ENYG14 or ENYG24 (Honors)

Credit: 2 - Honors

Grades: 9-12

Prerequisite: Journalism or
Instructor Approval

Credit: 2 English elective credits

Building on the skills developed in Journalism, this Honors level course produces the online student newspaper. Student editors and reporters work together to cover a wide range of events, experiences, and issues impacting the school and local community, while also adhering to high ethical and professional standards. Investigative journalism is emphasized through continued focus on in-depth research, acquisition of relevant information (interviews, reports, documents, data), and objective reporting. Students produce rich, multi-platform content daily while also managing editorial process, workflow, and production calendars.

Yearbook Production

EN1G17 EN2G17 (Honors)

Credit: 2 - Honors

Grades: 10-12

Prerequisite: Journalism and/or
consent of instructor

This is an Honors-level course that provides students with the opportunity to manage and run a complex, 200 page publication documenting the life of the school.

Students receive instruction in journalistic writing, AP style, and interviewing techniques. Additionally, they are trained in the use of digital cameras (DSLRs) and photojournalistic style. Over the course of the year, students practice cutting-edge graphic design techniques utilizing Adobe Illustrator and PhotoShop. Staff members also participate in planning spread coverage and story content. Overall, this course calls upon students' many talents in journalistic writing, design, time management, organizational abilities, and interpersonal skills.

Literacy Foundations RDYR01

Credit: 2 - General Ed

Grades: 9-12

Prerequisite: Placement

This course's emphasis is placed on basic reading skills which include phonics, decoding, word knowledge, fluency, comprehension and analytical literary skills. Students will be taught using research based practices that have been evidenced to increase high school students' reading skills. This course is for the students who needs additional support as they improve their ability to read fluently. Taught by a dual certified Reading Specialist with Special Education certification students will benefit from a multisensory, research-based approach and highly individualized instruction.

Intro to Literacy Comprehension RDYR02

Credit: 2 - General Ed

Grades: 9-12

Prerequisite: Placement

The course, for students grades 9-12, will develop student's reading skills in the area of word recognition, comprehension, language and meaning vocabulary. Students will be taught using best practices that have been shown through research to increase high school student's reading and writing skills. This is a beginning level comprehension class. Focus on text structure instruction and introductory writing skills including topic sentence, details, and conclusion sentence in one body paragraph. This course is taught by a dual certified Reading Specialist with Special Education certification and is designed for students who will benefit from a highly individualized instruction.

Literacy Applications RDYR03

Credit: 2 - General Ed

Grades: 9-12

Prerequisite: Placement

This repeatable reading comprehension course is for students, grades 11-12, needing another year of reading and writing literacy skill development. A special emphasis is placed on higher level comprehension skills and writing skills across the core content areas and on accessing informational text. The curriculum continues to improve student's reading skills in the areas of: word recognition, comprehension, language, meaning vocabulary and silent reading fluency. Students are taught using best practices evidenced through research to increase high school student's reading skills with an emphasis on inference. This course is taught by a dual certified Reading Specialist with Special Education certification and is designed for students who will benefit from differentiated literacy instruction.

Additional English Department Electives

The following electives may not be used to meet the English requirements for graduation but will count as a General Ed elective credit.

Digital Storytelling ENSG09

Credit: 1 - General

Grades: 9-12

Prerequisite: None

Non-English Credit Course

Digital Storytelling is a one-semester course which gives students a foundation for creating digital media and using the medium to tell a story. This is a hands on class where students will learn to tell stories about themselves and others through the use of video and audio. Students will be introduced to basic rules of framing and composition, cameras and lenses, microphones and sound, fair-use, interview techniques, and writing for narrative. Students learn to edit using industry-standard editing applications. Student-generated content will be viewed in class and by the school community. Exceptional video and audio pieces will be aired on the student-produced broadcast and news websites (North Star News / Niles West News). This class prepares students for Broadcast Production and Motion Graphics & 3D Design. Meets the Public Speaking requirement

Novice Broadcast Production ENST13

Credit: 1 -General Ed

Grades: 9-12

Prerequisite: Digital Storytelling

Non-English Credit Course

This course is a skill-level course designed to provide students with the foundation skills needed for a career in the video and technical aspects of television broadcasting. Instruction and projects will include video camera operation, non-linear video editing, pre-production, production, and post-production processes, lighting, sound, shot composition, camera movement, and working as a production crew. Students will write, direct, announce, and assemble raw footage into a polished production meeting broadcast industry technical standards. Students will also create and edit commercials, news packages, short movies, and other student produced projects. Substantial time commitment during and outside of class is required as part of the program.

*Meets Public Speaking Requirement

Honors Broadcast Production ENYT14, EN1T14 & EN2T14

Credit: 2 - Honors

Grades: 10-12

Prerequisite: Novice Broadcast
Production or Instructor Approval

Non-English Credit Course

Students enrolled in Broadcasting Production will be responsible for producing the broadcast program seen by the school and community. This skill-level course allows students to expand their knowledge in the areas of video production, digital storytelling and Broadcast Production. Students will produce news and a variety of feature stories covering the current events within the school and community. In addition, advanced camera techniques that are commonly used in television and film will be covered. Students will also learn the basics of motion graphics and visual effects using professional software. This course requires students to produce high quality content with skill, efficiency and timeliness. Students will work both in team settings and individual roles to undertake specific short and long-term projects. Substantial time commitment during and outside of class is required as part of the program. Repeatable course

Motion Graphics for Broadcast Journalism ENSG15

Credit: 1 - General

Grades: 9-12

Prerequisite: Digital Storytelling

Non-English Credit Course

Motion Graphics for Broadcast Journalism will introduce students to the principles of animated and still 2D and 3D computer graphics and design. Students will explore the fundamentals of effective design and methods and techniques of modeling, texturing, and animating using industry-standard software and hardware. Rendered three-dimensional content will be utilized via partnerships with adjoining Broadcast Production and other programs throughout the school community. Student-produced content will be featured on athletic scoreboards, internet platforms, and the District cable television channel. Students will demonstrate their mastery of course content by producing a cumulative showreel (exit portfolio) of their best work.

FAMILY & CONSUMER SCIENCES

Early Childhood Education Level - 1 FCYD01

<i>Credit:</i>	<i>2 - General Ed</i>	Students will complete the ECE Level 1 curriculum which provides basic knowledge and skills for those working with or seeking to work with young children. The ECE Level 1 curriculum includes the following topics: Health, Safety, and Nutrition, How Children Learn, Observation and Assessment, Family and Community Relations, Child Development, and The School-Age Child. The students will be assisting the lead teacher in the full day child care center located in the high school. Upon successful completion of this course the students will receive the ECE Credential Level 1, awarded by the State of Illinois.
<i>Grades:</i>	<i>10-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Early Childhood Education Level - 2 FCYD03

<i>Credit:</i>	<i>2 - General Ed</i>	Students will have the opportunity to earn college credits from Oakton Community College in addition to the Niles Township HS credits for completing this course. This course provides an overview of the theory and principles of human development. Content includes in-depth study of physical, social, emotional and cognitive aspects, from conception to adolescence. Special emphasis placed on child development theories of Piaget, Erikson, Vygotsky, Skinner, etc., and significance of family, peers, culture and school. The students will be assisting the lead teacher in the full day child care center located in the high school.
<i>Grades:</i>	<i>11-12</i>	
<i>Prerequisite:</i>	<i>Completion of Early Childhood Education with a grade of "B" or better</i>	

Fashion 1 FCSF01

<i>Credit:</i>	<i>1 - General Ed</i>	Students will explore the fashion industry through the elements and principles of design as well as the fundamentals of fashion construction. The course provides instruction in the ability to use proper equipment and operate sewing, serger, and computerized embroidery machines. Students will create their first garment and begin their fashion portfolio. Student construction projects include pants or a sweatshirt, along with a second project of choice.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Fashion 2 FCSF02

<i>Credit:</i>	<i>1 - General Ed</i>	Students will further develop their fashion construction skills through more advanced projects that will be featured in the student produced fashion show. Fashion merchandising will be explored through visual displays and personal shopper projects. Students will participate in FCCLA (Family, Career, and Community Leaders of America) competitive events. All completed projects will be added to the student's fashion portfolio. The students' construction projects include a top and a bottom to showcase in the annual fashion show
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Fashion 1</i>	

Fashion Studio FCYF03

<i>Credit:</i>	<i>2 - General Ed</i>	This yearlong course is for students who wish to continue their study of fashion and/or who are interested in a career in fashion. Advanced topics include fashion design, paper patterns, draping techniques, and the global perspective of fashion. If interested in fashion construction, students will create projects such as multiple piece collections or formal gowns for prom. If interested in fashion merchandising, students will develop merchandising plans and assist with the production of a fashion show. Students may earn dual credit for FAS100 through Harper College. All completed projects will be added to the student's fashion portfolio.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Fashion 1</i>	

Chefs FCSC02

<i>Credit:</i>	1 - General Ed	This course is a combination of lab and classroom experiences that introduces students to food preparation. Students will begin to develop culinary skills including recipe reading and scaling, basic knife and equipment skills, and proper safety and sanitation in a kitchen.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

Gourmet and International Cuisine FCSC04

<i>Credit:</i>	1 - General Ed	This lab course studies food and food preparation from around the world including history of a region and cultural influences on various cuisines. Course content includes the following: selection, purchase, preparation, and conservation of food, dietary needs and trends, regional & international cuisine, safety and sanitation, and careers in hospitality & foodservice industries. All of these concepts are taught through laboratory experiences.
<i>Grades:</i>	9-12 (2nd Sem)	
<i>Prerequisite:</i>	Chefs	

Commercial Foods Workshop FCYC06

<i>Credit:</i>	4 - General Ed	Commercial Food Workshop helps students attain knowledge and develop skills for the foodservice industry. Students will sharpen culinary skills while gaining experience in the industry. A related, School-Business internship will enhance the students' understanding of the commercial food skill standards, with a chance to work in a field related job.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	Two semesters of culinary coursework	

ENGINEERING AND ENGINEERING TECHNOLOGY

Engineering Program - [Engineering Website](#)

MakerStudio ETSM05

<i>Credit:</i>	1 - General	Students will learn how to go from exploring various ideas, to sketching and designing, to fabricating! Throughout the semester students will learn to design using engineering design software and create physical models on 3D printers, vinyl printer/cutters, laser engravers/cutters, and other makerspace technology.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

Introduction to Engineering Design IED-PLTW ETYE03 (AP)

<i>Credit:</i>	2 - AP	Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others. Students may receive college credit and/or advanced standing for successful completion of this course and a cumulative exam.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

Introduction to Engineering Design- Women in Engineering ETYE03- W (AP)

<i>Credit:</i>	2 - AP	This all female section use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others. Students may receive college credit and/or advanced standing for successful completion of this course and a cumulative exam.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

Principles of Engineering POE-PLTW ETYE01 (AP)

<i>Credit:</i>	2 - AP	This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real- world engineering problems. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological change.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	IED Recommended	

Civil Engineering & Architecture CEA-PLTW ETYE09 (AP)

<i>Credit:</i>	2 - AP	The major focus of the course is a long-term project that involves the development of a local property site. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of this property. The course provides freedom to the teacher and students to develop the property as a simulation or to students to model the real-world experiences that civil engineers and architects experience when developing property.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	None	

Digital Electronics DE-PLTW ETYE05 (AP)

<i>Credit:</i>	2 - AP	This course is designed to expose students to engineering design and troubleshooting techniques that are used in the electronics field. Computer simulation software is used to design and test digital circuitry prior to actually constructing them in order to see if the circuits work. The projects are traditional, such as those found in watches, digital cameras, and calculators to combinational logic using SSI chips to small subsystem implementation in programmable devices, in which you will learn how machines “think.” You will also learn a systematic approach that engineers use to design the electronics that is used every day.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	None	

Computer Integrated Manufacturing CIM-PLTW ETYE07 (AP)

<i>Credit:</i>	2 - AP	Students take the three-dimension modeling software skills learned in Introduction to Engineering Design to a whole new level. Using a three-dimensional model, students use automation, control systems, sensing devices, computer programming and robotics to efficiently mass produce products.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	IED	

CNC Programming & Machining Technology ETSM03

<i>Credit:</i>	1- General Ed	Students will work towards industry standard certifications in the area of precision machining and manufacturing technology. Students will learn to design, prepare, and generate programs to mass produce three dimensional parts on industry standard Computerized Numerical Control machines. Students will gain advanced machining skills while working with cnc lathes, cnc milling machines, and a cnc router. In addition, students learn the blueprint reading, precision measuring, layout, and machining process planning. Students will be prepared to take NIMS: 1) CNC Turning: Programming and Setup Operations Level 1 and 2) CNC Milling: Programming and Setup Operations Level 1. Repeatable.
<i>Grades:</i>	11- 12	
<i>Prerequisite:</i>	none	
<i>IED & CIM recommended</i>		

Welding & Metal Fabrication ETSM01

<i>Credit:</i>	1- General Ed	This course introduces students to the basic skills / procedures needed for Industry Certificates. The instructional units include: shop safety, basic skills and information on layout, fabrication, assemble, surface preparation, refinishing techniques and systems, the applications of different metals materials, and the various processes used to join and cut metals.
<i>Grades:</i>	11 - 12	
<i>Prerequisite:</i>	none	
<i>IED Recommended</i>		

Advanced Welding & Metal Fabrication ETSM02

<i>Credit:</i>	1- General Ed	Advanced Welding builds upon the skills developed in Welding and Metal Fabrication. Students will develop skills in out of position welding including horizontal, vertical, and overhead using MIG (GMAW), stick (SMAW), TIG processes and oxy-fuel cutting. Additionally, students will learn to identify and resolve problems in weld quality. Repeatable.
<i>Grades:</i>	11 - 12	
<i>Prerequisite:</i>	Welding & Metal Fabrication	

Engineering Design & Development EDD-PLTW ETYE11 (AP)

<i>Credit:</i>	2 - AP	This course is an engineering research course in which you will work in teams to research, design, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process will be used to guide and help your team reach a solution to the problem. You and your team will present and defend your solution.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	2 PLTW courses	

AUTOMOTIVE PROGRAM - [Automotive Website](#)

Automotive Fundamentals ETYA01

<i>Credit:</i>	2 - General Ed	Automotive Fundamentals: This lab course introduces students to the basic skills needed to inspect, maintain, and repair automobiles and light trucks that run on gasoline, electricity, or alternative fuels. Instructional units include engine performance, automotive electrical system, integrated computer systems, lubrication, exhaust and emission control, steering and suspension, fuel systems, cooling system, braking, and powertrain.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

Automotive System, Service, and Diagnostics A ETYA03 & B ETYA05

<i>Credit:</i>	2 - General Ed	Automotive Systems & Diagnostics (A & B): This repeatable lab course is a continuation of and builds on the skills and concepts introduced in Automotive Fundamentals. This course includes instructional units in Brakes, Engine Performance, Steering, Suspension, Electrical /Electronic Systems, Computer Systems, Heating & Air Conditioning, Engine Mechanical and Repair, Differentials, Automatic Transmission, Manual Drive Train, and Axles, Alternative Fuels, Hybrids, Electric Vehicles, Painting & Refinishing, Non-Structural & Structural Analysis & Damage Repair.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	Auto Fundamentals	

Automotive Collision & Repair ETYA07

<i>Credit:</i>	2 - General Ed	This lab course introduces students to the basic skills / procedures needed for the Collision & Repair Certificate. The instructional units include: shop safety, automotive construction types, basic sheet metal straightening procedures, plastic filler application, primer application, surface preparation, painting & refinishing techniques, refinishing systems, welding, panel replacement, non-structural & structural analysis, dentless paint repair, and conventional damage repair.
<i>Grades:</i>	11- 12	
<i>Prerequisite:</i>	Auto Fundamentals, and Automotive Systems & Diagnostics or Director Approval	

FINE AND APPLIED ARTS:

MUSIC

Beginning Band MUYB01

<i>Credit:</i>	2 - General Ed	Beginning Band is for the student with no previous experience. The fundamentals of playing a musical instrument and accurate music reading are stressed. Individual attention is given to each student. This class includes different brass, woodwind, and percussion instruments. Required activities which take place outside of regular school hours may include attendance at all concerts.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

Concert Band MUYB03

<i>Credit:</i>	2 - General Ed	Concert Band is open to all students who have successfully completed beginning band or have experience from other school bands. Concert Band serves as an introduction to the high school band program. Students in the ensemble will begin to develop skills needed to participate in other ensembles. Areas of development will take place in tone production, intonation, rhythmic proficiency, balance, breathing, sight-reading and music theory. After school activities are required, but will be kept to a minimum in this ensemble. Those who want to participate in Pep Band or Jazz Band can do so with permission of the instructor. Students are strongly encouraged to take private lessons.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Participate in Jr. High Band, audition, and/or consent of instructor.	

Symphonic Band MUYB05

<i>Credit:</i>	2 - General Ed	Students in Symphonic Band work in a wide variety of musical activities and are advanced instrumentalists. Individuals will further develop many skills they have already acquired. Areas that will be reinforced, strengthened, and expanded are tone production, balance, breathing, sight-reading and music theory. A greater emphasis is placed on the development of technique with individual and ensemble playing skills. Repertoire includes marches, overtures, and a variety of classical, semi-classical and popular music suited to the level of the performers. Activities which take place outside of regular school hours, and may include marching or pep bands for football and basketball games, Solo and Ensemble competitions, and formal concerts. Symphonic Band members may also participate in Jazz Band. Students are strongly encouraged to take private lessons and participate in music tours.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Consent of Instructor and/or audition	

Symphonic Wind Ensemble MUYB07

<i>Credit:</i>	2 - Honors	Symphonic Wind Ensemble is open through yearly auditions to advanced performers in wind and percussion instruments. Audition materials consist of IMEA scales and etudes for the current school year. The primary focus of this ensemble is the preparation and performance of the finest literature for the modern wind band. Repertoire includes marches, overtures and a variety of classical, semi-classical and popular music. After school activities may include marching band, pep band, state solo and ensemble contest, state organization contest, assemblies, early morning or after school rehearsals, and formal concerts. Select members of this ensemble will also comprise the Symphonic Orchestra wind and percussion sections. Students are strongly encouraged to take private lessons and participate in musical tours.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Consent of Instructor and/or audition	

Jazz Band (Early Bird) MUYB09

Credit: 2 - General Ed
Grades: 9-12

The primary focus of the Jazz Band ensemble is the preparation and performance of contemporary jazz styles including Latin, swing, ballad, and funk/rock. Students will perform scales and patterns as they relate to the music and will gain skills in improvisation, composing, and jazz music theory. Its performances include local concerts as well as jazz festivals.

Prerequisite: Consent of Instructor and/or audition

Percussion Techniques MUYM01

Credit: 2 - General Ed
Grades: 9-12

Percussion Techniques is designed to provide a comprehensive study in the area of percussion. Students will obtain information and hands-on experience in the areas of percussion technique, literature, and instrument maintenance and repair. This course is designed to enhance the student's individual musical development in the area of percussion. In addition, students will rehearse and perform on a variety of multicultural percussion instruments and will study world music and respective cultures. Students will be placed in band and orchestra ensembles for concert performances, and will be required to attend after school rehearsals and performances.

Prerequisite: Consent of Instructor and/or audition

Advanced Percussion Techniques MUYM02

Credit: 2 - Honors
Grades: 9-12

Advanced Percussion Techniques is designed to provide a comprehensive study in the area of percussion. Students will obtain information and hands-on experience in the areas of percussion technique, advanced literature, and instrument maintenance and repair. This course is designed to challenge the student's individual musical development in the area of percussion. In addition, students will be placed in band and orchestra ensembles for concert performances, and be required to attend after school rehearsals and performances.

Prerequisite: Percussion Techniques and/or consent of instructor.

MUSIC PERFORMANCE: CHOIR

Choraliers (Tenor & Bass) MUYC01 - (Soprano & Alto) MUYC02

Credit: 2 - General Ed
Grades: 9-12

The primary purpose of this class is to foster and promote the enjoyment of singing. Choraliers introduces students to a wide variety of music and is the entry level class for the choral program. Through the music, each individual will learn basic skills in tone production, breathing, diction, musicianship, and sight-reading. They will also gain an understanding of basic music theory and history. Attendance and participation is required at musical performances scheduled throughout the year. No audition is required to enroll in this choir.

Prerequisite: None

Concert Choir (Tenor & Bass) MUYC03 - (Soprano & Alto) MUYC04

Credit: 2 - General Ed
Grades: 9-12

Concert Choir continues the development of basic vocal skills, music theory and music history taught in Choraliers. A wide variety of music will be experienced. Attendance and participation is required at musical performances scheduled throughout the year. Placement in this choir is by audition only.

Prerequisite: Consent of Instructor

Chamber Choir (Tenor & Bass)MUYC07 -(Soprano & Alto)MUYC08

<i>Credit:</i>	2 - General Ed	Chamber Choir explores advanced levels of tone production, breathing, diction, musicianship, sight-reading, theory, and music history. Placement in this choir is by audition only. A wide range of choral literature will be explored in this ensemble. Attendance and participation is required at musical performances scheduled throughout the year.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Consent of Instructor and/or audition	

Advanced Choir (Chorale at North; Master Singers at West) MUYC10

<i>Credit:</i>	2 - Honors	In Advanced Choir, advanced levels of vocal production, sight-reading, music theory, and music history are developed. This class will explore a wide range of choral literature including pop and classical music. Participation in festivals is strongly encouraged. Attendance and participation is required at musical performances scheduled throughout the year.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Consent of Instructor and/or audition	

Orchestra Beginning Strings MUYS01

<i>Credit:</i>	2 - General Ed	This class is designed for students who love music and would like to learn how to play a string instrument. Students may choose to learn how to play the violin, viola, cello or bass. Instruments are provided for in-school use. No previous musical experience is necessary.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

Concert Orchestra MUYS03

<i>Credit:</i>	2 - General Ed	This strings only orchestra is designed to further develop the student's orchestral skills. Students must have prior string playing experience in violin, viola, cello or string bass. Repertoire spans a variety of musical styles and cultures. Students are required to perform in scheduled concerts and are encouraged to participate in solo and ensemble contests, and music trips.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Participation in Jr. High Orchestra or Beginning Strings	

Philharmonic Orchestra MUYS09

<i>Credit:</i>	2 - General Ed	This ensemble is offered to string students who possess intermediate orchestral skills. The Philharmonic Orchestra performs as a string orchestra as well as full orchestra when combined with selected woodwind, brass and percussionists from the band. Students are required to perform in scheduled concerts and are encouraged to participate in solo and ensemble contests, Illinois Music Educators' Association festivals, and music trips.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Participation in Jr. High Orchestra or Beginning Strings	

Symphonic Orchestra MUYS05 (Honors)

<i>Credit:</i>	2 - Honors	This ensemble is offered to string students who possess advanced orchestral skills. The Symphonic Orchestra performs as a string orchestra as well as a full orchestra when combined with selected woodwind, brass and percussionists from the Symphonic Wind Ensemble. Repertoire spans a variety of musical styles and cultures. Students are required to perform in scheduled concerts and are encouraged to participate in solo and ensemble contests, Illinois Music Educators' Association festivals and music trips.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Consent of Instructor	

MUSIC NON-PERFORMANCE ELECTIVES

Arts Appreciation DRSA05

<i>Credit:</i>	<i>1 - General Ed</i>	This is an art course which explores our four major areas: theatre, music, dance and visual arts. Using a variety of media, students will have an opportunity to experience these art forms first hand in order to explore the creative process, better understand a finished work of art, and get a performance ready for production. Students enrolled in the Arts Appreciation class have the opportunity to work closely with the teacher and other students enrolled as a peer leader.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Guitar 1 MUSS07

<i>Credit:</i>	<i>1 - General Ed</i>	Guitar 1 is for the beginning guitar student who has no prior musical experience. The student will learn to read music, play melody lines, play chords with various strums and set chords to music. Students may be required to purchase supplemental materials
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Guitar 2 MUSS15

<i>Credit:</i>	<i>1 - General Ed</i>	Guitar 2 is for the intermediate level guitarist wishing to learn advanced skills and techniques which include advanced reading of standard notation, tablature, barre chords, and guitar ensemble. Students may be required to purchase supplemental materials.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Guitar 1 or consent from instructor</i>	

Guitar Ensemble MUYS20

<i>Credit:</i>	<i>2 - General Ed</i>	Guitar Ensemble is a year-long, repeatable course designed for the intermediate and/or advanced guitarist. Repertoire spans a variety of musical styles and cultures. Students are required to perform in scheduled concerts and other activities for the class. While guitars are provided for the course, personal guitars are recommended for at home practice.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Guitar 1 and 2, or Consent of Instructor</i>	

Digital Piano 1 MUSP01

<i>Credit:</i>	<i>1 - General Ed</i>	Digital Piano 1 is a designed for the beginning pianist who has no prior musical experience. Basic note reading, fingering, music theory and piano literature will be taught. This course is taught on an electronic keyboard.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Digital Piano 2 MUSP02

<i>Credit:</i>	<i>1 - General Ed</i>	Digital Piano 1 is a designed for the beginning pianist who has no prior musical experience. Basic note reading, fingering, music theory and piano literature will be taught. This course is taught on an electronic keyboard.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Digital Piano 1</i>	

Electronic Music MUST05

Credit: 1 - General Ed

Grades: 9-12

Prerequisite: None

This course encompasses aspects of recording, producing, manipulating, and engineering music and sound. Students will use several different types of software which involves creating loops, sound design/sound systems, and working with the many different digital forms of music used today. Students will learn the basics of music notation, theory, form, and other musical elements, and will also study the many different types of media, such as email, web pages, MP3s, WAV, AIIF, etc.

Music Theory MUYT03 (Honors)

Credit: 2 - Honors

Grades: 10-12

Prerequisite: Consent of
Instructor

This course emphasizes the basic musical elements of melody and harmony, scale construction, key signatures, ear training, basic form and analysis, history, and incorporates MIDI (Music Instrument Digital Interface) and computer technology. This course is for the serious musician and for those planning to study music after high school.

AP Music Theory MUYT13 (AP)

Credit: 2 - AP

Grades: 10-12

Prerequisite: Consent of
instructor

This course emphasizes basic, intermediate, and advanced musical elements of melody and harmony, scale construction, key signatures, ear training, basic form and analysis, history and incorporates MIDI computer technology. This course is for the serious musician and for those planning to study music after high school. Students will spend extra time during and outside of class practicing and preparing for the AP Music Theory exam in the areas of: score analysis, four part voice writing, chord progression writing, harmonization of a given melody, etc. In addition, extra sessions outside of the school day will be held to practice the aural sections of the AP exam. Success in this examination may entitle the student to college credit, advanced music theory placement at the college or university level, or both.

THEATRE ARTS

Theatre Workshop DRST01

<i>Credit:</i>	1 - General Ed	Theatre Workshop is a one-semester course which explores the elements of drama through improvisation, theatre games, and scenes from contemporary plays. Students will develop skills in acting, play making, and scene analysis, as well as understanding the full process of creating theatre. Theatre Workshop is the first of a two-semester introduction to Theatre; students should plan to take Acting after completing Theatre Workshop. *Fulfills Public Speaking Requirement
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

Acting DRSA01

<i>Credit:</i>	1 - General Ed	Acting is a one-semester class which builds on the foundation established in Theatre Workshop. Acting focuses on creating honest, believable characters and situations. Actors will develop original characters, create scenes, and work with full-length scripts to expand their abilities to understand works by significant playwrights.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Theatre Workshop	

Advanced Theatre Studio DRSA02 (Honors)

<i>Credit:</i>	1 - Honors	Advanced Theatre Studio is an in-depth, multi- leveled study of skills and techniques introduced in Theatre Workshop and Acting. Studies will include artistic, technical, and design-related aspects of Theatre. Topics will vary each semester and may include: advanced improvisation, stage combat, scenic design, stage makeup, costume technology, stage rigging, musical theatre, Shakespeare, auditions, acting-for-the-camera, theatre history, masks, dramaturgy, creative dramatics, children's theatre, kabuki, contemporary Broadway, dialects, lighting design, stage management, scene study, scenic painting, etc. Honors level; this course may be repeated for credit. Prerequisite: Acting.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	Theatre Workshop and Acting	

Directing DRSD01 (Honors)

<i>Credit:</i>	1 - Honors	This course explores theatre from the director's point of view. Students will take on the responsibility of directing a play; this includes: selecting and analyzing the script, casting, blocking, actor coaching, rehearsing, and design integration. Classroom process provides opportunities for students to act, design, and direct. The students have actual practice in leading their peers in preparing a one-act play for performance outside of the school day.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	Theatre Workshop, Acting, Advanced Theatre Studio (2 semesters), and consent from instructor	

Play Production DRSP01 (Honors)

<i>Credit:</i>	1 - Honors	In this course, students take on leadership roles in the production of a main stage play. Students build on experiences from Stagecraft and previous productions to develop skills necessary for mounting a large-scale production. As apprentices in the fields of design (scenic, lighting, costuming, make-up, sound), dramaturgy, stage management, and technical direction, the students will have the practical experience of bringing a concept to reality. Collaboration with others to coordinate, schedule, and meet goals is a key part of the experience.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	Theatre Workshop, Acting, Advanced Theatre Studio (2 semesters), and consent from instructor	

Stagecraft DR0S01

<i>Credit:</i>	1	This one-semester course involves students in creating the "magic of theatre" from behind the scenes. Students are exposed to a variety of hands-on experiences in the world of theatre: design, make-up, scenery construction and painting, costuming, lighting, sound, and stage management. Out-of-class activities may be used in actual production of the school's theatre season.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Theatre Workshop	

VISUAL ARTS

Art Foundations ARSA01

<i>Credit:</i>	<i>1 - General Ed</i>	Art Foundations is a beginning course designed for students interested in exploring art and developing their art making skills. This course introduces the beginning art student to the basic elements and principles of design. Projects may include work in the following areas: drawing, painting, printmaking, sculpture, ceramics, and functional art. The class is open to students of all skill levels and no previous art experience is necessary.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Painting and Drawing ARSA21

<i>Credit:</i>	<i>1 - General Ed</i>	Drawing/Painting is designed to increase the student's' skills and refine their techniques in drawing and painting. Students will experiment both visually and conceptually with charcoal, ink, pencil, pastel, watercolor, acrylic, oil and mixed media. This course will offer the student a creative experience through observational drawing, as well as fantasy, illustration, and abstraction. Class projects will cover contemporary concepts and ideas that utilize drawing and painting as visual tools for expression. Students will explore traditional and contemporary approaches to drawing and painting.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Art Foundations</i>	

Advanced Studio Art ARYA15 (Honors)

<i>Credit:</i>	<i>2 - Honors</i>	Art is designed for students who would like to begin the process of working toward submitting an AP Studio Art portfolio to the AP College Board or for submission to an art college or university. Students will be able to select a Drawing, 2-D Design, or 3-D Design portfolio. Projects may include work in the following areas: drawing, painting, mixed media, printmaking, digital arts, sculpture, ceramics, and an exploration of materials and approaches to making art, working from a live model. (NOTE: There is a \$40.00 art fee for supplies. This course is a requirement for students taking AP Studio Art.)
<i>Grades:</i>	<i>10-12</i>	
<i>Prerequisite:</i>	<i>Painting and Drawing and/or recommendation by art instructor from a portfolio review advanced studio</i>	

AP Studio Art: Drawing (Lab Course) ARYA11 (AP)

<i>Credit:</i>	<i>2 - AP</i>	Advanced Placement Studio Art is a college level art course for the highly motivated student who wishes to create a portfolio of quality artwork for admission to college or for job placement. Students must be able to work with sustained effort, participate in individual and group critiques and have a desire to create a body of personal artwork. Students may select from three types of art portfolios: Drawing Portfolio, 2-D Design Portfolio, or 3-D Design Portfolio. A portfolio of artwork will be submitted to the College Board in slide form during AP exams in May to determine possible college credit. (NOTE: There is a \$40.00 art fee for materials.)
<i>Grades:</i>	<i>11-12</i>	
<i>Prerequisite:</i>	<i>Advanced Studio Art recommendation by art instructor from a portfolio review</i>	

Ceramics I ARSC01

<i>Credit:</i>	<i>1 - General Ed</i>	Students will be introduced to the basics of working with clay. Hand building techniques, fundamentals of design, and alternative methods for creating sculptural and functional forms in clay will be explored. Students will gain experience in a variety of surface decoration techniques using glaze, underglaze, texture, carving, and image transfer. Class projects will investigate both traditional and contemporary ceramics while challenging students to think creatively to make unique works of art. Students may participate in special day-long workshops such as Raku or Pit Firing. No experience necessary.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Ceramics II ARSC05

Credit: 1 - General Ed

Grades: 9-12

Prerequisite: Ceramics I

In Ceramics II, students will learn advanced hand building, surface decoration, and creative problem- solving techniques to create unique works of art. Students will also be introduced to the art of wheel throwing to create functional and sculptural forms. Emphasis is placed on making artistic choices, developing a personal vision, and further exploration of historical work and contemporary issues. Topics may include mixed-media, altered forms, mold-making, and image transfer. Special daylong workshops may be offered such as Raku or Pit firing. Students interested in completing the AP Studio Art 3-D Design Portfolio are highly encouraged to take this class. Class is repeatable for credit.

Digital Photography 1 ARST03

Credit: 1 - General Ed

Grades: 9-12

Prerequisite: None

This course is designed to teach students the aesthetic and technical theories and techniques of digital photography. Topics include camera and lens operation (manual mode), file formats, exposure, proper camera settings, composition, lighting, creative problem solving, image editing software (Adobe Photoshop) and output. Emphasis will be on the production of artistic images using digital cameras, Adobe Photoshop, and the elements of art and principles of design. (NOTE: There is a \$20.00 art fee for materials)

Digital Photography 2 ARST05

Credit: 1 - General Ed

Grades: 9-12

Prerequisite: Digital Photography 1

Digital Photography 2 is a continuing exploration of the art of photography for the serious photography student. Students will expand on basic concepts of photography using alternative and experimental digital processes to create imagery and visually communicate ideas. Students will utilize digital cameras and Adobe Photoshop to further create and expand on a body of artwork. Students will also work to create a portfolio for use towards AP 2-D Design portfolio or college entrance review. (NOTE: There is a \$20.00 art fee for materials.)

Graphic Design 1 ARST01

Credit: 1 - General Ed

Grades: 9-12

Prerequisite: None

Graphic Design 1 is an exploration of the emerging field of digital art. Students will learn software such as Adobe Photoshop, Illustrator, and InDesign, combined with traditional media to create contemporary art work. Projects may include digital collages, digital painting, graphic design and logo design. (NOTE: There is a \$20.00 art fee for materials.)

Advanced 2-D Design ARYT07 (Honors)

Credit: 2 - Honors

Grades: 10-12

Prerequisite: Digital Photography 1 & 2 OR Digital Photography 1 & Graphic Design 1. Student must also have a teacher recommendation based on a portfolio review.

Advanced 2-D Design is for students who would like to begin the process of working toward submitting an Advanced 2-D Design portfolio to the AP College Board or for submission to an art college or university. For this portfolio, students are asked to demonstrate mastery of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, pattern design, mixed media, digital painting, and printmaking. Students will use traditional methods of art creation in conjunction with the computers, digital tablets, digital camera, and the Adobe Suite Program including Photoshop, Illustrator, and In Design. (NOTE: There is a \$40.00 art fee for materials.)

AP Studio Art: 3-D Design (Lab Course) ARYA12 (AP)

Credit: 2 - AP

Grades: 10-12

Prerequisite: Ceramics I and Ceramics II

AP 3-D Design Portfolio is a year-long college level art course that will focus on the AP 3-D Design curriculum through the production of ceramics, sculpture, and mixed-media sculpture. Students will develop a personal portfolio that meets the AP College Board portfolio requirements for 3-D Design. Through the creation of their AP portfolio, students will develop strong technical skills, show risk-taking, address conceptual threads, and clearly show an artist's voice. Portfolios will be submitted to the AP College Board in May for evaluation. (NOTE: There is a \$40.00 art fee for materials.)

AP Studio Art: 2-D Design (Lab Course) ARYT09 (AP)

Credit: 2 - AP

Grades: 11-12

Prerequisite: Advanced 2-D Design. Student must also have a teacher recommendation based on a portfolio review

AP 2-D Design is a course designed for students with a serious interest in art. The AP 2-D Design course enables students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the course typically emphasizes quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of the student's art. The AP 2-D Design Portfolio deals with two-dimensional applications such as graphic design, photography, digital manipulations, and collage. (NOTE: There is a \$40.00 art fee for materials.)

MATHEMATICS

Algebra Essentials MAYA02

Credit: 2 - General Ed
Grades: 9

Prerequisite: Placement
Recommendation

Algebra Fundamentals MAYX01 (ELL)

This is an Algebra preparation course that will focus on the building blocks of Algebra: simplifying expressions, solving linear equations, and graphing linear equations. It is intended to fully prepare students to successfully complete Algebra 1 the following year.

The Algebra Fundamentals (ELL) section provides the same content as Algebra Essentials but delivers instruction through a linguistic model that is focused on building language skills for students whose first language is not English.

Algebra 1 MAYA03 or MAYX20 (ELL)

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: Placement
Recommendation

This is a first year algebra course. Topics include: algebraic symbols and formulas; arithmetic operations with algebraic expressions; equations and inequalities; coordinate systems and mathematical graphing; systems of equations; factoring; algebraic fractions; exponents and radicals; functions; quadratic equations; and elementary probability and statistics concepts.

Algebra 1 Extension MAYA03-E

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: Placement
Recommendation

This course is taught concurrently with Algebra 1. This course covers the same topics as Algebra 1, but allows students an opportunity for deeper exploration of the topics and further review of essential skills. *Does not meet the Math Graduation Requirement.*

Geometry MAYG03 or MAYX30 (ELL)

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: Algebra 1

This is a course in Euclidean geometry, using both inductive and deductive reasoning. It includes an informal introduction to solid geometry. Students are expected to learn through discovery by conducting investigations and constructions by hand or with computer software. Topics include congruency, similarity, parallel lines, circles, polygons, constructions, areas, volumes, and coordinate geometry.

Geometry Extension MAYG03-E

Credit: 2 - General Ed
Grades: 10-12

Prerequisite: Placement
recommendation

This course is taught concurrently with Geometry. This course covers the same topics as Geometry, but allows students an opportunity for deeper exploration of the topics and further review of essential skills. *Does not meet the Math Graduation Requirement.*

Geometry Advanced MAYG07 (Honors)

Credit: 2 - Honors
Grades: 9-10

Prerequisite: Placement
Recommendation or Algebra 1 & Teacher Recommendation

This is a course in Euclidean geometry which includes proofs by deductive reasoning. Topics include congruency, similarity, parallel lines, planes, circles, polygons, constructions, areas, surface areas and volumes of solids, and coordinate geometry.

Geometry Honors MAYG05 (Honors)

Credit: 2 - Honors

Grades: 9-10

Prerequisite: Placement

Recommendation or Algebra 1 &

Teacher Recommendation

This geometry course presents symbolic logic and extensively uses deductive proof. Plane and space geometries are studied concurrently. In addition to all the topics of Geometry and Geometry (Advanced), this honors course explores conics and trigonometry from a geometric viewpoint. It has a more in-depth use of construction and coordinate geometry.

Geometry Applications in Engineering - GAIN MAYG03- ENG & ETYE03

Geometry Applications in Engineering is a pairing of Geometry and Engineering coursework. The goal of the course pairing is to help student further grasp the geometry and mathematics concepts through the completion of engineering projects

Credit: 2 - General Ed

Grades: 9 - 10

Prerequisite: None

MAYG03-ENG is a course in Euclidean geometry, using both inductive and deductive reasoning. It includes an informal introduction to solid geometry. Students are expected to learn through discovery by conducting investigations and constructions by hand or with computer software. Topics include congruency, similarity, parallel lines, circles, polygons, constructions, areas, volumes, and coordinate geometry.

Credit: 2 - General Ed

Grades: 9 - 10

Prerequisite: None

ETYE03 is an engineering course designed to apply the concepts studied in geometry. This course will replace the IED-PLTW course for students who wish to take additional engineering courses in the future.

Algebra 2 MAYA11

Credit: 2 - General Ed

Grades: 10-12

Prerequisite: Algebra I and

Geometry

This course includes the advanced topics from the first two semesters of algebra handled in greater depth. New topics include linear systems in three dimensions; rational, exponential, radical, and polynomial functions; matrices; logarithms; and complex numbers.

Algebra 2 Extension MAYA11-E

Credit: 2 - General Ed

Grades: 11-12

Prerequisite: Teacher

recommendation

This course is taught concurrently with Algebra 2. This course covers the same topics as Algebra 2, but allows students an opportunity for deeper exploration of the topics and further review of essential skills. *Does not meet the Math Graduation Requirement.*

Algebra 2 Advanced MAYA05 (Honors)

Credit: 2 - Honors

Grades: 9-11

Prerequisite: Placement
recommendation OR Geometry

**Advanced OR Geometry and
teacher recommendation"**

Algebra 2 (Advanced) covers the same topics as Algebra 2 but at an accelerated pace. Topics include: a review and extension of fundamental algebraic manipulations, systems of equations, complex numbers, conic sections, permutations, combinations, the binomial expansion, matrices, and topics of trigonometry.

Algebra 2 Honors MAYA07 (Honors)

Credit: 2 - Honors

Grades: 9-11

Prerequisite: Geometry
(Honors) or placement
recommendation

This is a second year algebra course. Some topics from first year algebra are quickly reviewed. Other topics include: the binomial theorem; trigonometry, and sequences and series. All topics are covered in greater depth and at a more demanding level than they are in Algebra 2. It is assumed that the student performed at a high level in a full first year algebra course.

Intermediate Algebra MAYA20

Credit: 2 - General Ed

Grades: 12

Prerequisite: Teacher
recommendation

This course covers algebraic principles at an intermediate level. Content includes real and complex numbers, exponents, polynomials, radicals first- and second-degree equations, system of equations, inequalities, and rational expressions. Students enrolled in the course can earn math placement at any community college in the state of Illinois.

Probability & Statistics MAYM22

Credit: 2 - General Ed

Grades: 10-12

Prerequisite: Algebra 2

This is an introductory course in probability and statistics. Students will learn about collecting and representing data, probability and simulations, statistical studies and research design, and an introduction to statistical inference. This course provides a foundation for future study of statistics. Students will use a variety of technology throughout the course.

Precalculus MAYM02

Credit: 2 - General Ed

Grades: 10-12

Prerequisite: Algebra 2

This course is designed to prepare students who have completed two years of algebra and a year of geometry for calculus. Emphasis will be placed on trigonometry; applications of trigonometry; and graphical, algebraic, and numeric analysis of functions and equations.

Precalculus Advanced MAYM21 (Honors)

Credit: 2 - Honors

Grades: 11- 12

Prerequisite: Algebra 2
(Advanced)

This course is designed to prepare students who have shown proficiency in two years of algebra and one year in geometry for calculus. Functions and graphing will be the underlying themes. Topics include: functions, techniques of graphing, trigonometry, conic sections, polar coordinates, sequences and series, vectors, and introduction to limits.

Precalculus Honors MAYM03

Credit: 2 - Honors

Grades: 11-

Prerequisite: Algebra 2 (Honors)

This course discusses trigonometry, functions and their graphs, vectors, conic sections, analytic geometry, probability, polar equations, parametric equations, matrices, sequences and series, mathematical proof by induction, limits and continuity, and an introduction to calculus.

Calculus MAYM07(Honors)

Credit: 2 - Honors

Grades: 12

Prerequisite: Precalculus

In first semester, students study functions and their graphs; mathematical modeling; polynomial and rational functions; limits and their properties; and an introduction to differentiation. In second semester, students study applications of differentiation; exponential, logarithmic, and trigonometric functions with calculus; and an introduction to integration.

AP Statistics MAYM23 (AP)

Credit: 2 - AP

Grades: 10-12

Prerequisite: Algebra 2

This is a non-calculus based introductory statistics course. Students will study four broad conceptual themes: Exploring Data (observing patterns and departures from patterns); Planning a Study (deciding what to measure and how to measure it); Anticipating Patterns in Advance (introducing probability and simulation); and Statistical Inference (confirming models for explanations of patterns). Students have the opportunity to receive college credit by successfully taking the Advanced Placement Exam.

AP Calculus AB MAYM09 (AP)

Credit: 2 - AP

Grades: 12

Prerequisite: Precalculus
Advanced

This is a full year course in the differential and integral calculus of single variable functions. This course follows the AP Calculus AB syllabus and includes limits, derivatives, and integrals. Students have the opportunity to receive credit for one semester of college calculus depending on the institution and the score received on the Advanced Placement exam.

AP Calculus BC MAYM11 (AP)

Credit: 2 - AP

Grades: 12

Prerequisite: Precalculus (Honors)

This is a full year course in the differential and integral calculus of single variable functions. The course follows the AP Calculus BC syllabus and therefore includes all content of AP Calculus AB as well as the study of sequences and series, improper integrals, differentiation and integration of polar and parametric equations. Students have the opportunity to receive credit for two semesters of college calculus depending upon the institution and the score received on the Advanced Placement exam.

Post-Calculus Topics MAYM16 (AP)

Credit: 2 - AP

Grades: 11-12

Prerequisite: AP Calculus BC

This is a course designed for excellent accelerated mathematics students who have completed a year of AP calculus. Topics include: discrete math; graph theory; non-Euclidean geometry; an extension and reinforcement of previously taught topics; and some topics from differential equations, complex analysis, and multivariable calculus. A portion of the emphasis will include the integration of technology with the posing and solution of advanced mathematics problems (especially in the physical, life, management, and economic sciences). Students will have the opportunity to use Mathematica.

Mathematical Modeling and Research MAYM25 (AP)

Credit: 2 - AP

Grades: 9-12

Prerequisite: Director approval.

This is a course designed to present students with opportunities to address real world problems from a research-based mathematical modeling perspective. Mathematical Modeling and Research involves a year-long project in which students choose a research problem with guidance from the teacher and develop a model with the help of a mentor from business or academia. Through these experiences, students get exposure to the practical use of mathematics and practice at developing

PHYSICAL WELFARE

Freshman Foundations PBYB01, PGYG01

<i>Credit:</i>	2 - General Ed	Freshmen will participate in a prescribed program of activity units determined by the Physical Welfare department. Each student will receive instruction in a wide variety of fitness activities, team sports and individual sports. Fitness is emphasized throughout the freshman curriculum with a focus on living healthy lifestyles. Freshmen are not allowed to take this course out of sequence or replace this course with PW electives.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	None	

Sophomore PE w/ Health PEYS05

<i>Credit:</i>	2 - General Ed	Sophomores will participate in an embedded Health/Physical Education program. The completion of this course will satisfy graduation requirements in both Health and Physical Education. This course will be included in the weighted grade point average calculation. This course offers knowledge which will lead to competency in assuming adult responsibilities as a member of a family and as a citizen of the community. The curriculum includes extensive instruction in physical fitness concepts and units on, nutrition, mental health/mental illness, substance abuse, human sexuality/reproduction, communicable diseases and death and dying.
<i>Grades:</i>	10	
<i>(Open to grades 11-12 with Director's permission)</i>		
<i>Prerequisite:</i>	None	

Varsity Physical Education PEYW03

<i>Credit:</i>	2 - General Ed	Students will be engaged in a series of cycled workouts specific to their sport and designed to improve core strength and musculature. Emphasis will be placed on overall body strength exercises with daily emphasis on core strength, agility and injury prevention. Students will also gain knowledge as to the muscle groups involved in exercise, as well as the kinesthetic movements of the body. Cardio and strength workouts will be coordinated through the PE Teacher working closely with coaches and the Strength and Conditioning coordinator.
<i>Grades:</i>	11-12	
<i>(Open to grade 10 only with completion of Health outside of Sophomore Physical Education)</i>		
<i>Prerequisite:</i>	None	

Aerobics PESR01

<i>Credit:</i>	1 - General Ed	Students will engage in a series of cycled workouts to improve core strength and musculature toning. Activities within aerobics can include dance fitness, step aerobics, functional exercises, lifting with hand weights, weighted bars, dumbbells, stretch bands, and yoga.
<i>Grades:</i>	11-12	
<i>(Open to grade 10 only with completion of Health outside of Sophomore Physical Education)</i>		
<i>Prerequisite:</i>	None	

Physical Education - Adapted PEYN01

<i>Credit:</i>	2 - General Ed	Students will engage in a series of cycled workouts to improve core strength and musculature toning. Activities within aerobics can include dance fitness, step aerobics, functional exercises, lifting with hand weights, weighted bars, dumbbells, stretch bands, and yoga.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Special Education teacher recommendation	

PE Leaders 1, 2 PE Leaders 2 (Jrs) PEYL02 PE Leaders 3 (Srs) PEYL03

<i>Credit:</i>	2 - General Ed	Students that demonstrate excellence in physical skills and show evidence of leadership ability are recommended by their instructor for placement in this program. Continuation in Leaders P.E. requires a minimum grade of a "B" in the previous Leaders' course. For first semester Junior Leaders, department approval is based on leadership qualities, athletic skills and interpersonal qualities essential to working with teachers and students in physical education classes. Students who are involved in interscholastic athletics are Generally not eligible to participate in the Leaders program due to Strength and Conditioning requirements. Students involved in interscholastic athletics will be eligible for the Leaders program only if able to take two Physical Education courses in order to fulfill both athletic and leader responsibilities.
<i>Grades:</i>	11-12 or grade 10 w/ Health completed summer	
<i>Prerequisite:</i>	Recommendation and Application	

Adventure Education 1 PESA01

<i>Credit:</i>	1 - General Ed	Individual and cooperative activities built around team building, trust activities, low elements and wall climbing. ADVENTURE EDUCATION 2- Individual and cooperative activities built around team building, high ropes elements, rappelling, orienteering, camping, backpacking, outdoor climbing, and kayaking. Students seeking to enroll must have earned a grade of "C" or above in Adventure Education 1.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	None	

Adventure Education 2 PESA02

<i>Credit:</i>	1 - General Ed	Individual and cooperative activities built around team building, trust activities, low elements and wall climbing. ADVENTURE EDUCATION 2- Individual and cooperative activities built around team building, high ropes elements, rappelling, orienteering, camping, backpacking, outdoor climbing, and kayaking. Students seeking to enroll must have earned a grade of "C" or above in Adventure Education 1.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	Adv. Ed. 1	

Dance 1 PESD01

<i>Credit:</i>	1 - General Ed	Students learn intermediate technique and combinations in Ballet/Contemporary and Jazz/Hip Hop. In addition, students will be exposed to multicultural dance experiences. Dance class will be a minimum of 3 days per week. Students will also engage in aerobic / toning activities 2 days per week.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	None	

Dance 2 PESD02

<i>Credit:</i>	1 - General Ed	Students learn advanced technique and combinations in Ballet/Contemporary and Jazz/Hip Hop. In addition, students will be exposed to multicultural dance experiences. Dance class will be a minimum of 3 days per week. Students will also engage in aerobic/ toning activities 2 days per week. A final dance project will be included in this course. Dance I is a prerequisite for this course.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	Dance 1	

Strength & Conditioning PESW01

<i>Credit:</i>	1 - General Ed	Students will engage in a series of cycled workouts to improve strength and musculature. Emphasis will be placed on overall body strength exercises with daily emphasis on either upper or lower body exercises. Students will also gain knowledge as to the muscle groups involved in each lift, as well as the kinesthetic movements of the body. There will also be a weekly emphasis on cardiovascular training.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	None	

Individual and Team Sports PESR02

<i>Credit:</i>	1 - General Ed	Students will expand on basic skills learned in freshman Physical Education to compete in various individual and team sports. There will also be a weekly emphasis on cardiovascular training.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	None	

Integrated Physical Education PEYV01

<i>Credit:</i>	1 - General Ed	Integrated Physical Education (IPE) is offered to upperclassmen only. Each student will receive instruction in a wide variety of fitness activities, team sports, individual sports, swimming and yoga. This course can be linked strongly with the: Education and Training, Government, Human Services, and Law, and Health Science pathways. With a focus on living healthy lifestyles and personal fitness this class will meet the Physical Education requirement for all students. This is an excellent class for general education students who are empathetic, caring, and wish to make a positive impact with others and for themselves.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	None	

Special education students will be placed into the course through the IEP process. Integrated PE will provide the opportunity for our students with special needs to be programmed into a more inclusive environment. This environment will also provide meaningful contact and relationships among students who otherwise may not have the opportunity to connect. These relationships have positive impact for both the general education student and special education student alike.

Student Leaders (general education students) will help facilitate, assist and participate in the development of a positive attitude toward lifelong fitness. There is an application process for general education students interested in this class. In addition, our general education students will be given the opportunity to lead, serve and participate in physical fitness coursework alongside students with disabilities. Students will work one-on-one or in small groups, with adult supervision and guidance, to develop habits of lifelong personal fitness.

Driver Education DESD01. DESD03

<i>Credit:</i>	None	The classroom and behind-the-wheel phases of Driver Education are offered in an integrated program for a full semester. The classroom and behind the wheel portions of the course are administered at both Niles North High School and Niles West High School during the regular school day. Students will complete the state-mandated six- hour behind-the-wheel requirement. Content includes: existing and proposed rules of the road, physical, social, and mental factors affecting the driver, concepts necessary for safe motoring, understanding the functions of a motor vehicle, teaching of motor skills, visual skills, and application of laws, driving emergencies, accurate judgments and properly-timed correct responses. Students must be 15 years old prior to the beginning of the class to be scheduled for Driver Education. The Driver Education fee must be paid to the bookkeeper prior to receiving the permit packet. No grace period is in effect. If, for some reason, a student decides not to take Driver Education, he/she must return the permit application packet in order to receive a refund.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Meet age requirements and has passed a minimum of eight (8) courses during the previous two semesters	

SCIENCE

FRESHMAN PROGRAM:

Exploratory Chemistry & Physics SCYD02 Physical Science SCYX01 (ELL)

Credit: 2 -General Ed - Physical Science	Exploratory Chemistry and Physics is a physical science course with an emphasis on developing fundamental science practice skills for future science courses. This introductory freshman level course will give students a solid foundation in computational skills, laboratory technique, the scientific method, measurement, and data collection and interpretation. The use of technology and laboratory activities will be an integral part of the course, as well. Thematic physical science curriculum in the course will integrate topics from all main branches of science.
Grades: 9	
Prerequisite: Placement recommendation	

The Physical Science (ELL) class is a physical science course for limited English proficiency students with an opportunity to develop the fundamental skills of science. Physics semester topics will include forces, motion, and energy. Chemistry semester concepts will include properties of matter, equilibrium, kinetics, and atomic structure. The fundamental science principles learned in this course prepare students for future laboratory science courses. Appropriate accommodations are made to meet varied language abilities, learning styles, reading levels, and mathematical abilities. Course instruction is delivered using a linguistic model that is focused on building language skills for students whose first language is not English.

Biology SCYB03 or SCYX03 (ELL)

Credit: 2 -General Ed -Life Science	This is a laboratory course which introduces students to the study of living things. The course stresses the nature of life processes of organisms in their environment. All levels of biological organization are examined from molecules and cells to populations and ecosystems. During a typical unit, students are involved in numerous learning activities including reading, writing, note taking, discussions, observation, experimental design, and projects, both independent and collaborative. Laboratory investigations are based on guided inquiry and are intended to provide students with a relevant and experiential view of the nature of biology.
Grades: 9-12	
Prerequisite: Placement recommendation	

Biology Honors SCYB05

Credit: 2 -Honors -Life Science	Course is an inquiry-centered, laboratory course in Biology. The course stresses the nature of life processes in greater depth. Students will be guided through the scientific process and examine all levels of biological organization from molecules and cells to populations and ecosystems.
Grades: 9-12	
Prerequisite: Placement recommendation; exceptional past performance in science.	

SOPHOMORE PROGRAM:

Conceptual Chemistry SCYC01

Credit: 2 -General Ed - Physical Science	Conceptual Chemistry is designed to give the student an understanding of introductory chemistry while addressing applications of chemistry in everyday life, as well as chemistry's role in society and technology. Major concepts covered include measurement, periodic trends of the elements, the modern view of the atom, balancing chemical equations, chemical quantities and conversions, and naming chemical compounds. This course will focus on basic concepts and problem solving and allows students to apply chemical concepts in the laboratory.
Grades: 10-12	
Prerequisite: Placement recommendation.	

Chemistry SCYC03

Credit: 2 -General Ed - Physical Science	Chemistry is an introductory course covering stoichiometry, atomic structure, gas laws, kinetics, equilibrium. These topics will be approached from both conceptual and applied perspectives. Laboratory experiments illustrating many of the topics covered are included. It is strongly recommended that students have excellent 1st year algebra skills.
Grades: 10-12	
Prerequisite: Completion of Biology or Honors Biology. Completion of Geometry with a grade of "C" or better, OR Algebra 1 with a grade of "C" or better.	

Chemistry Honors SCYC05

Credit: 2 -Honors -Physical Science	Honors Chemistry is a general introductory course on the nature and composition of matter, the laws which describe its behavior, and the theories which explain and account for the properties and behavior of matter. Topics are covered in great depth with high achievement standards. Laboratory work constitutes an integral and important part of the course objectives.
Grades: 10- 11	
Prerequisite: Completion of Honors Biology OR completion of Biology with a grade of "A" or teacher recommendation. Strong Algebra skills.	

JUNIOR PROGRAM

Conceptual Physics SCYP09

Credit: 2 - General Ed -Physical Science	Conceptual Physics is a lab-oriented course that teaches students how to apply the fundamental principles of physics in order to explain phenomena they observe in the everyday world. Emphasis will be placed on developing concepts and comprehension rather than computation. Course content includes, but is not limited to: the study of motion and forces, momentum, energy, waves, sound, light, optics, electricity and magnetism.
Grades: 11- 12	
Prerequisite: Two years of Science	

Physics SCYP01

Credit:
2 -General Ed -Physical Science

Grades: 11- 12

Prerequisite: Completion of Chemistry with a grade of “C” or better. Completion of a Geometry course. Concurrent enrollment in Algebra II or higher.

Physics is a laboratory course that investigates the fundamental principles and phenomena of everyday life. The course is designed to prepare students for college level science courses. Major topic areas include motion, forces, momentum, energy, waves, light, electricity and magnetism.

Science Topics SCYT01

Credit:
2 -General Ed -Physical Science

Grades: 11- 12

Prerequisite: Two years of Science

Science Topics explores the wonders of science in everyday life. The thematic curriculum captures student interest, and builds science investigation skills. Students learn how chemistry, physics, and earth science relate to their own world. Some of the topics may include forensics, astronomy, motion and force, active Earth, and mythbusters.

AP Biology SCYB09 (AP)

Credit:
2 -AP - Life Science

Grades: 11- 12

Prerequisite: Biology, Chemistry, and Physics with a “B” average, OR Honors Biology and Honors Chemistry with grades of “C” or better. AP Physics 1 may be taken concurrently.

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. Students will learn to think like a scientist and develop inquiry skills as they design experiments, collect and analyze data using mathematics and other methods, and interpret data to draw conclusions. This course prepares students to take the AP Biology exam in May. Success on this exam may earn students college credit, placement in advanced courses, or both.

AP Chemistry SCYC07 (AP)

Credit:
2 - AP - Physical Science

Grades: 11- 12

Prerequisite: Have completed Chemistry with a “B” or better, Honors Chemistry with a “C” or better. Completion of or concurrent enrollment in Precalculus or higher as a junior or senior.

Topics covered in this college-level course parallel those covered in Honors Chemistry, but the depth of treatment is much greater. Laboratory work emphasizes individual observations of chemical substances and reactions, accurate quantitative measurements, and the development of skillful laboratory techniques. The course prepares the student for the college- level chemistry examination administered by the Advanced Placement Program. Success on this examination may entitle the student to college credit, advanced college placement, or both.

AP Physics 1 SCYP06

Credit:
2 - AP - Physical Science

Grades: 11- 12

Prerequisite: Completion of Honors Chemistry with a grade of "C" or better, or teacher recommendation. Concurrent enrollment in Advanced Precalculus, Honors Precalculus or higher

AP Physics 1 is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work energy and power; and mechanical waves and sounds. It also introduces electric circuits. This course will prepare the students for the college level examination administered by the Advanced Placement Program. Success on the exam may entitle the student to college credit, advanced placement, or both.

AP Physics C SCYP05 (AP)

Credit:
2 - AP - Physical Science

Grades: 12

Prerequisite: Completion of AP Physics 1 or Physics with a grade of "B" or better or teacher recommendation. Completion of or concurrent enrollment in AP Calculus AB, BC or higher.

This college-level course is designed as a second-year course, and students are expected to have a solid foundation in mechanics and electricity and magnetism. The course is divided into two major parts, mechanics during the fall semester and electricity & magnetism during the spring semester. Instruction is based predominantly on a problem-solving approach with extensive use of calculus and vector analysis. The course prepares the student for the college-level physics "C" Advanced Placement examination in May. Success on this exam may entitle the student to college credit, advanced college placement, or both.

SCIENCE ELECTIVES:

AP Environmental Science SCYE27 (AP)

Credit:
2 - AP - Elective

Grades: 10-12

Prerequisite: One year of physical science and one year of life science. Concurrent enrollment in Honors Chemistry is required for sophomores.

The AP Environmental Science course is the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. This course will prepare the students for the college level examination administered by the Advanced Placement Program. Success on this exam may entitle the student to college credit, advanced placement or both. *Students who complete this course may receive three (3) college credit hours from Loyola University Chicago.*

Anatomy and Physiology SCYP07, SCYP17

Credit:
2 - General Ed / Honors -Elective

Grades: 11- 12

Prerequisite: Completion of or concurrent enrollment in Physics or higher.

Anatomy and Physiology is a lab-based course designed for students seeking a more detailed explanation of the structures and functions of the human body. This course is highly recommended for any student interested in pursuing a health-related career. Body systems studied include the integumentary, skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary, and reproductive systems. A study of disease is included. Dissection of animal tissues, organs, and bodies is a critical learning element of the course. Students will also have the opportunity to visit a human anatomy/cadaver lab. Anatomy and Physiology may be taken as a regular- or honors- level course. The honors-level course will require additional reading and writing assignments at a higher level of abstraction, additional content, and higher standards for lab write-ups and projects.

Astronomy and Modern Physics SCYP04 (Honors)

Credit:
2 - Honors -Elective

Grades: 11- 12

Prerequisite: Completion of or concurrent enrollment in Physics or higher.

Astronomy is a lab based course that investigates the wonders of the universe, and is designed to prepare students for a similar college level course. Topics will include, but are not limited to, astronomy, cosmology, relativity, solid state physics, quantum physics, and particle physics. This course will involve mathematics at the same level as Physics 12-22. Enrollment first semester is recommended, but not required for the second semester.

Forensic Science SCYF01

Credit:
1- General -Elective

Grades: 11-12

Prerequisite: Completion of one year of Biology or a life science credited course and two years of credited physical science course. Concurrent enrollment in a second year physical science course is allowed.

Forensic Science gives students the opportunity to analyze crime scenes and formulate conclusions. Students will learn how to secure a crime scene, analyze the situation, collect evidence, perform appropriate tests, and formulate conclusions based on their observations. Topics will include observational skills and crime scene investigations, fingerprint analysis, analysis of blood and DNA, toxicology studies, fiber analysis, blood spatter analysis, and ballistics, and forensic anthropology. Social equity and criminal justice case studies will be used to guide topics.

Health Careers / Medical Terminology SCYM03 (Honors)

Credit:
2 - Honors -Elective

Grades: 11-12

Prerequisite: None

The curriculum connects relationships between the human body and its relationship to disease. Students will study various fields in the health career industry available today through coursework and practical applications within the community. Students will have an opportunity to explore careers through job shadowing, field trips and guest speakers. This course is scheduled as a single period non-lab course. *Students who complete both sections of this course may receive three (3) college credit hours from Oakton Community College.*

Basic Nurse Assistant SCYM10 SCYM55

Credit:
2 - Honors -Elective

Grades: 12

Prerequisite: Completion of Biology, Chemistry, & Physics. Student interview and approval by Director of Science

The Basic Nurse Assistant Training (BNAT) course offers a basic study of principles and procedures used by the nurse assistant in long term care, home health settings, and hospitals. The focus of the course is on basic human needs and care of the elderly. Integration of nursing skills and concepts are acquired through hands-on clinical experience at local health care facilities. The BNAT course will prepare students to take the Illinois Nurse Assistant/Home Health Aide Competency Exam. *Successful completion of the BNAT course and passing the Illinois Nurse Assistant/Home Health Aide Competency Exam will allow students to earn an Illinois Certified Nursing Assistant (CNA) licensure as well as college credit for two Oakton Community College courses (BNA 100 & BNA 105) Oakton Community College. BNAT students are required to complete 114 hours of classroom hours and an additional 50 hours of clinical work after school.*

Science Research Topics SCYT03

Credit:
2 - General Ed -Elective

Grades: 12

Prerequisite: Two years of Science or Director's Approval

Science Research Topics is a continuum to the Science Topics laboratory course. This course will mirror the format of Science Topics, and include the opportunity for students to research an area of their own interest. Problem Based Learning (PBL) and individualized research opportunities will enhance student use of the scientific method and greater understanding of science process skills.

STEM Inquiry and Research (SIR) SCYT05 (AP)

Credit:
2 - AP - Elective

Grades: 9-12

Prerequisite: Students who are interested in the scientific process.

STEM Inquiry and Research (SIR) is designed for the inquisitive student interested in independent research.. The class will provide interested students with an opportunity to acquire skills and concepts inherent in the science research experience. It is intended to teach students to be creative, careful, patient and precise in their methods of study and laboratory investigations. The students will experience science through original research. The students will practice scientific thinking and learn scientific processes, which may advance the student in their educational and career goals. The students will also learn to communicate their skills through many opportunities of public speaking.

Zoology SCYG01

Credit:
1- General -Elective

Grades: 11-12

Prerequisite: Completion of one year of Biology or a life science credited course and two years of credited physical science course.
Concurrent enrollment in a second year physical science course is allowed.

Zoology is a course for students passionate about animals and the possibility of a career in an animal-related field. Zoology is the study of animal anatomy, physiology, genetics, behaviors, and adaptations to the environment. The course is an introduction to zoology, diversity of the animal kingdom, animal physiology and adaptations, animal behavior and careers in animal related fields. The course will be lab and experience-focused and will include speakers working in the animal field as well as field work at various facilities.

SOCIAL STUDIES

FRESHMAN PROGRAM

Intro to Social Studies 1 SOYX03 (ELL)

<i>Credit:</i>	2 - General Ed	This general elective year-long course, which may be co-taught by an ELL teacher and a Social Studies teacher, provides ELL 1 students with key vocabulary, geography, map skills, and reading, writing, and speaking skills necessary for basic comprehension in the content of Social Studies. ELL 2 students with sufficient background may take Modern World History concurrently with this course. Does not carry Social Studies credit but counts as a general elective credit.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Teacher recommendation	

Modern World History SOYW01 or SOYX02 (ELL)

<i>Credit:</i>	2 - General Ed	Modern World History is a two semester course that covers the history of the world from 1491-present in Africa, Asia, North and South America, Europe, and the Mideast. The overarching question for the course asks about continuity and change between each area of focus and our modern world. The first semester covers World History from approximately 1491-1914 (start of WWI), and the second semester covers from WWI to the present. The history of Europe is still a major emphasis in this course, but it is integrated into the history of the rest of the world. Modern World History emphasizes reading, writing, and research skills, and it culminates with an independent research project in which a student will analyze continuity and change for a particular topic or region.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	None	

AP World History SOYW07 (AP)

<i>Credit:</i>	2 - AP	This course is the equivalent to an introductory college course in world history. The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. Periodization, explicitly discussed, forms an organizing principle to address change and continuity throughout the course. Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of world history as a field of study. Students passing the AP College Board Exam in May can earn college credit. (Course description taken from Advanced Placement College Board).
<i>Grades:</i>	9	
<i>Prerequisite:</i>		

SOPHOMORE PROGRAM

Civics SOSX08 or SOSX08

<i>Credit:</i>	1 - General Ed	Civics is a one semester course that focuses on government institutions, current and controversial issues, discussions, service learning, and simulations of democratic processes, therefore meeting the Illinois State Civics requirement. Units will include the purpose of government, the constitution, the political process, current political issues concerning domestic and foreign policy, state and local government, the relationship between government and economy, and global trade. Students will be required to pass an exam covering the constitutions of the United States and Illinois. The overarching question for the course asks about how individuals can participate in the American democratic system. Civics emphasizes reading, writing, research, and service learning.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	Modern World History or AP World History	

AP Government and Politics SOYP12 (AP)

<i>Credit:</i>	2 - AP	This course prepares students to take the AP exam in United States Government and Politics. Emphasis is placed on developing a sound understanding of the philosophical and institutional foundations of the American political system. Development of analytical and evaluative skill is emphasized as well as the application of theory to contemporary issues and events. Topics addressed are: the constitution; political beliefs and behaviors; political parties, interest groups, and mass media; government institutions; public policy; civil rights and civil liberties. This course meets the State of Illinois' Civics requirement.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	Teacher	
<i>Recommendation</i>		

JUNIOR PROGRAM

American Studies - United States History (ALCUSH) SOYU09 or SOYX01 (ELL)

<i>Credit:</i>	4 - General Ed	The primary outcomes of this integrated course will be to study the direct links between American Literature and American History. This course is a study of the people and forces that have shaped American History. The focus in this class is placed on the 20th Century and stresses the development of American institutions and the problems arising from the diversity of values and interests that are inherent in our society. This course satisfies the state requirement that United States History be taught in all accredited high schools.
<i>Grades:</i>	11	
<i>Prerequisite:</i>	Sophomore	
<i>English 32-42</i>		

United States History 11-21 SOYU05 (Honors)

<i>Credit:</i>	2 - Honors	This course is for students of above average ability and interest in the social studies. It is geared toward the student with higher than average skills in reading and writing. The content parallels UNITED STATES HISTORY, but emphasizes a more detailed study in both depth and scope within the framework of topics and/or time sequences. Students in this HONORS LEVEL course will spend significantly more out-of-class time in preparation for class than those enrolled in regular sections and they will be expected to demonstrate the ability to work independently when required. The use of primary source documents will play a significant part in the development of the various lessons; primary source documents will be analyzed and evaluated, in discussions and in written responses, within the context(s) they were written. In addition, students are expected to be able to comprehend the above- grade level secondary source classroom materials. The major emphasis will be placed upon the exploration of ideas, theories, and motivating forces in the shaping of American society, as well as an analysis of primary sources.
<i>Grades:</i>	11	
<i>Prerequisite:</i>	Modern World	
<i>History</i>		

AP United States History SOYU07, SOYU57 (AP)

<i>Credit:</i>	2 - AP	The Advanced Placement United States History class is for those students with strong academic ability and interest in social studies. This interpretive course deals with the American experience from the beginnings of English settlement through the end of the 20th century. The two-semester course will assist the student in preparing for the College Board Advanced Placement exam given in May of each year (success on the exam could result in the student earning advanced placement and/or credit at the college level). Emphasis will be placed upon thoughtful discussion, the personal acquisition of historical content, development of persuasive writing skills, and analysis of primary and secondary sources. As this course is the highest level of the three U.S. history courses offered, students choosing to take AP United States History are expected to enter the class with superior reading, writing, and out-of-class time management skills. It is strongly recommended that students considering this course have the recommendation of a previous Social Studies Department teacher.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	Modern World	
<i>History and Teacher Recommendation</i>		

Social Studies Electives:

Asian-American Studies SOSA02

Credit: 1- General Ed / Honors
Grades: 10-12

Prerequisite: Modern World History

Students will learn about the experiences of Asian Americans including the history, culture, assimilation, struggles, and modern issues of interest. This course would include studying the history and contributions of a variety of East, South, and Southeastern Asian groups, including Chinese, Filipinos, Koreans, Japanese, Indians, Pakistanis, Cambodians, Laotians, Pacific Islanders, and others. These groups have different histories, languages, and cultures, but they also have similar experiences migrating to and assimilating in the United States. The depth and complexity of Asian American experiences are not studied in a traditional History or Social Science course, and this new course is an opportunity to explore these topics further with historical, social, and ethno-cultural lenses.

World Religions SOSR01

Credit: 1- General Ed / Honors
Grades: 10-12

Prerequisite: Modern World History

World Religions will focus on origins, historical development, beliefs and practices, and contemporary cultural impact of the following religions: Hinduism, Sikhism, Buddhism, Confucianism, Taoism, Shintoism, Judaism, Christianity, Islam, Humanism, (with some reference to Agnosticism, and Atheism). After completing this class, students will be able to do the following: Identify the core beliefs of the major religions, and demonstrate respect for all religions and cultures of the world, Explain how the major religions address ethical issues on the personal and global level, Analyze the impact that religions have had on the cultural, social and political institutions across the globe, Explain how religious traditions and ideas grow out of and change with specific historical contexts, and Evaluate how different cultures and peoples have grappled and responded to common metaphysical questions.

Global Problems SOSG01

Credit: 1- General Ed / Honors
Grades: 10-12

Prerequisite: None

In this course students will have the opportunity to translate their knowledge and insight about contemporary global problems into social action. The course includes an introductory unit in which students will identify human rights and examine human welfare around the globe. Other units of study may include environmental justice, contemporary slavery, working conditions, HIV/AIDS, status of crime and punishment, gender equity, and care for children and the elderly. Because the problems discussed in the course are of a contemporary nature, individual units of study may change over time as events and circumstances around the world continue to evolve.

Sociology SOSO01

Credit: 1- General Ed / Honors
Grades: 10-12

Prerequisite: Modern World History

This course is designed to offer insight into our complex and dynamic social environment. Students who take this course will look not only into themselves, but into their classmates and the world around them to learn about a variety of areas of inquiry. Some of these topics include the nature of culture (both locally and globally), conformity and deviance, social structure, and socialization. This course also includes a study of selected social problems such as prejudice and discrimination, crime and poverty.

World War II SOSW02

Credit: 1- General Ed / Honors
Grades: 10-12

Prerequisite: Modern World History and US History

This one-semester course, which covers the causes, course, and impact of the bloodiest conflict in human history is designed to provide students with a comprehensive understanding of World War II and its impact and long-term consequences on American society and the entire world. Teaching strategies include lecture, student-led discussion, the reading of primary and source documents, student projects, video presentations, and feature films.

Law SOSL01

Credit: 1- General Ed / Honors
Grades: 10-12
Prerequisite: Modern World History

This course is designed to offer insight into the American criminal and justice systems. This class offers a variety of topics including crime statistics, American prison system, alternatives to prison, factors of crime (reasons and solutions), the death penalty, the philosophy of justice, the American court system, Bill of Rights, civil rights, and due process of law.

Black and LatinX Studies SOSA01

Credit: 1- General Ed / Honors
Grades: 10-12
Prerequisite: Modern World History

The semester will be divided into two main units: one for African history and one for Latin American/Caribbean history. Each unit will last for approximately nine weeks, comprised by a study of three countries in each of these two regions of the world allowing students to learn in depth about three separate countries with unique, relevant histories. By examining each country as a case study, students will be able to develop important social science skills in analyzing the significance of colonialism, civil war, government corruption, environmental challenges, and economic development. Some possible African countries for study include South Africa, Congo, Sierra Leone, Nigeria, Uganda, and Rwanda. For the Latin American unit, some countries to consider would be: Chile, Mexico, Argentina, Haiti, and Jamaica.

Psychology SOSP07 SOSZ07

Credit: 1 - General Ed
Grades: 10-12
Prerequisite: Modern World History

Psychology is an introductory course in the study of human behavior as it relates to both the individual and groups. This course offers a variety of study topics often new to the student. Possible topics of study include: perception, abnormal psychology, personality, psychology theory, development, research concepts, the nervous system, learning, and intelligence.

AP Psychology SOYP07 (AP)

Credit: 2 - AP
Grades: 10-12
Prerequisite: Modern World History, Freshman Biology, and teacher recommendation

This is a college level course on the science of human behavior and mental processes. Designed for highly motivated students with strong academic ability, the course introduces students to fundamental concepts in psychology while preparing them for the College Board Advanced Placement exam that is administered in May of each year. Success on the AP Exam may entitle the student to college credit, advanced college placement or both. Topics covered throughout the year include the biological basis of behavior, sensation and perception, personality, learning and conditioning, cognition, motivation and emotion, development, abnormal behavior, treatment of psychological disorders and social psychology. A strong emphasis is placed on research methodology. Coursework will require a high level of reading and writing skills, along with a strong foundation in research and science, particularly biology. Since the course is designed as preparation for college, and due to the nature of the subject matter, it is strongly recommended for the senior student. Note: The semester Psychology elective course is not a prerequisite for the AP course. Though students who have taken the Regular Psychology class are allowed to subsequently take the AP Psychology course, the two classes are not designed to be taken sequentially. Rather, it is suggested that students choose either the semester elective or the AP course based on the level of their ability and motivation.

AP Economics SOSE07- Microeconomics, SOSE05 Macroeconomics (AP)

Credit: 2 - AP
Grades: 10-12
Prerequisite: None

AP Economics is a two-semester course. It is taught at the college level to prepare students for the AP Economics exams. Microeconomics is taught first semester and Macroeconomics is taught second semester. The purpose of Microeconomics is to give students a thorough understanding of the principles of economics that apply to us, both as consumers and producers in our market-oriented economy. Macroeconomics provides students with an understanding of the economic principles that affect the entire economic system.

AP European History SOYE03 (AP)

Credit:	2 - AP	This is a college-level course in the period of European History from 1500 to the present. A high level of reading and writing expertise is expected of students enrolling in this course. This course prepares the student to write a college-level European History examination of the National Advanced Placement Program. Success in this examination may entitle the student to college credit, advanced college placement or both. The course stresses the main currents of thought, evolution of political, social and economic institutions as well as the major historical turning points in European civilization. Emphasis is also placed on skills necessary for college-level papers and essays.
Grades:	10-12	
Prerequisite:	Teacher recommendation and at least one AP course	

Intro to Debate SOSD03

Credit:	1 - General Ed	The focus of Introduction to Debate shall be upon thinking more critically, expressing thought more meaningfully, and defending expression more effectively. Students shall explore the elements of debate and debate propositions, conduct research, compose arguments, and participate in practice debates. "Practice debates in the classroom and in (high school) forensics tournaments are not ends in themselves, but means of developing the skills and attitudes necessary for responsible participation in the debating situations of later life where free citizens determine public policy." (Decision By Debate, Ehninger and Brockriede, 1968). The ultimate purpose of Introduction to Debate is to develop those skills and attitudes that contribute to responsible decision-making. Participation in Interscholastic Debate is not a required aspect of this course, but will be encouraged. <i>This class fulfills the public speaking requirement for graduation.</i>
Grades:	9-12	
Prerequisite:	None	

Debate SOYD01 (Honors)

Credit:	2 - Honors	This course supports students who participate in policy debate using the nationally selected policy resolution for the academic year and emphasizes advanced speech and research skills including argumentation and persuasion. The course includes extensive work in formal logic and argumentation models, the utilization of research in the support of formal arguments, an increased awareness of political and social issues, and the development of lifelong written and verbal communication skills. Class time is used as a lab to prepare for competition by researching, writing briefs, case construction, analysis, and practice debates. Participation in Interscholastic Debate is a required aspect of the course and students may repeat the course for credit. <i>Students are required to attend at least two tournaments each semester.</i>
Grades:	9-12	
Prerequisite:	Consent of Instructor	

*Meets Public Speaking Requirement.

Advanced Debate SOYD05 (Honors)

Credit:	2 - Honors	Advanced Debate is an honors level seminar for students who have significant experience in interscholastic policy debate. Students are expected to have taken the Introduction to Debate and/or Debate courses. Students should be in their third or fourth year of policy debate. Students enrolled in Advanced Debate must participate on the competitive District 219 Debate teams. High level debate theory is emphasized and discussed. Students are also required to read scholarly journals on argumentation theory and practice. The course emphasizes advanced argumentation skills and research techniques. Debaters are given instruction in evidence selection, argument organization, logic, and analysis. These arguments, affirmative and negative, must be utilized in the competitive debates in which each student participates. Debaters must also work with the instructor to complete rebuttal redos in class after competitions on weekends. Briefs, case construction, analysis, and practice debates. Participation in Interscholastic Debate is a required aspect of the course and students may repeat the course for credit. <i>Students in Advanced Debate are required to attend at least three tournaments each semester.</i>
Grades:	9-12	
Prerequisite:	Consent of Instructor	

*Meets Public Speaking Requirement

SPECIAL EDUCATION

ENGLISH - SPECIAL EDUCATION

Freshman English ENYY51

<i>Credit:</i>	2 - General Ed	This course emphasizes the same skills and learning targets as English in the general education, and includes additional support for students who experience difficulty with reading and written expression. This course introduces the reading of literature as a point of departure for persuasive and critical writing. It introduces the development and organization of multi-paragraph essays. Throughout the year, students are introduced to a variety of literary terms, conventions of writing, and text structures.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Freshman English with Reading ENYV01

<i>Credit:</i>	2 - General Ed	This full year skills course for Freshmen emphasizes basic reading and writing skills. Word decoding, vocabulary development, grammar structure, spelling, reading comprehension, development of basic sentence structure and prewriting skills are the focus of this course. Direct instruction in reading and basic writing are ongoing.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Sophomore English ENYY53

<i>Credit:</i>	2 - General Ed	This course emphasizes the same skills and learning targets as English in the general education, and includes additional support for students who experience difficulty with reading and written expression. This course focuses on reading of literature as a point of departure for persuasive and critical writing. It emphasizes the development and organization of multi-paragraph essays. Throughout the year, students are introduced to a variety of literary terms.
<i>Grades:</i>	10	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Sophomore English with Reading ENYV03

<i>Credit:</i>	2 - General Ed	This full year course for Sophomores continues to reinforce basic reading and writing skills. Word decoding, reading fluency, vocabulary development, grammar structure, spelling, reading comprehension, development of basic sentence structure and prewriting skills are the focus of this course. Students will receive continued direct instruction reading and written expression.
<i>Grades:</i>	10	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

American Literature and Composition for Juniors ENYY55

<i>Credit:</i>	2 - General Ed	This course emphasizes the same skills and learning targets as English in the general education, and includes additional support for students who experience difficulty with reading and written expression. This course uses a thematic approach to the study of American literature and culture. It emphasizes critical reading and analysis of primary and contemporary works of American literature. In conjunction with this literature study, the course emphasizes development of the student's oral and written composition skills.
<i>Grades:</i>	11	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Junior English with Reading ENYN05

<i>Credit:</i>	2 - General Ed	This full year course for Juniors continues to reinforce basic reading and writing skills. Word decoding, reading fluency, vocabulary development, grammar structure, spelling, reading comprehension, development of basic sentence structure and writing skills are the focus of this course. Students will receive continued direct instruction reading and written expression.
<i>Grades:</i>	11	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Senior English ENY57

<i>Credit:</i>	2 - General Ed	This full year course for Seniors will further develop student reading, writing, critical thinking, inference and literary analysis skills to help students to prepare for postsecondary success. Research techniques and resources, the development of a logical cohesive essay, and editing skills will be emphasized in conjunction with reading assignments. Note that successful completion of the research component is a requirement of this course.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Senior English with Reading ENYV07

<i>Credit:</i>	2 - General Ed	This full year course for Seniors continues to reinforce basic reading and writing skills. Word decoding, reading fluency, vocabulary development, grammar structure, spelling, reading comprehension, development of basic sentence structure and writing skills are the focus of this course. Students will receive continued direct instruction reading and written expression.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

MATHEMATICS - SPECIAL EDUCATION

Algebra 1-2 MAYY03

<i>Credit:</i>	2 - General Ed	This is a first year algebra course which reinforces basic math skills, pre-algebra skills and algebra topics. The focus is on building a strong Algebra foundation. It covers standard first year algebra topics such as: simplifying expressions, solving linear equations, and graphing linear functions. This course covers most of the same topics as Algebra 1 in the Mathematics department, but at a more fundamental level.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Math with Algebra 1-2 MAYV01

<i>Credit:</i>	2 - General Ed	This is a first year course in mathematics that builds basic math skills through direct instruction. The focus is on applying math skills to real world problems. Topics include addition, subtraction, multiplication, division, money skills, time skills, and pre-algebra concepts.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Geometry 1- 2 MAYY07

<i>Credit:</i>	2 - General Ed	This is a geometry course for sophomores which is aligned with the general education geometry course but at a more fundamental level. This course introduces concepts in geometry such as congruency, similarity, parallel lines, circles, polygons, constructions, areas, volumes, and coordinate geometry.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Math with Geometry 3-4 MAYV03

<i>Credit:</i>	2 - General Ed	This is a second year course in mathematics that expands basic math skills through direct instruction. The focus is on applying math skills to real world problems. Topics include addition, subtraction, multiplication, division, money skills, time skills, and pre-geometry concepts.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Algebra 3-4 MAYY13

<i>Credit:</i>	2 - General Ed	This course covers standard second year algebra topics at a more fundamental level, such as: a review and extension of fundamental algebraic manipulations, systems of equations, complex numbers, conic sections, permutations, combinations, the binomial expansion, matrices, and topics of trigonometry.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Math with Algebra 5-6 MAYV05

<i>Credit:</i>	2 - General Ed	This is a third year course in mathematics that expands basic math skills through direct instruction. The focus is on applying math skills to real world problems. Topics include addition, subtraction, multiplication, division, money skills, time skills, and pre-algebra concepts.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Applied Math 7-8 MAYN07

<i>Credit:</i>	2 - General Ed	This is a fourth year course in mathematics that expands basic math skills through direct instruction. The focus is on applying math skills to real world problems. This course has a strong focus on skills needed as students transition beyond high school.
<i>Grades:</i>	12+	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

SCIENCE - SPECIAL EDUCATION

Biology SCYY10

<i>Credit:</i>	2 - General Ed	This course provides a fundamental understanding of Biology. This is a laboratory course which introduces students to the study of living things. The course stresses the nature of life processes of organisms in their environment. All levels of biological organization are examined from molecules and cells to populations and ecosystems. Students are introduced to the scientific method and learn how to implement the steps into their laboratory procedures.
<i>Grades:</i>	9 -10	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Physical Science SCYY12

<i>Credit:</i>	2 - General Ed	This course is designed to provide students with the opportunity to develop the reasoning skills associated with the processes of science. Topics may include: the chemistry concepts of atomic structure, the periodic table, typical scientific nomenclature, chemical reactions, states of matter, acids and bases, understanding and creating various types of graphs, the physics principles of motion, principles of force, and principles of energy and electricity, along with a continuation of the application of metric system conversions and understanding and creating various types of graphs.
<i>Grades:</i>	10 -12	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Life Skills Science SCYV01/03/05/07

<i>Credit:</i>	2 - General Ed	This is a third science course that focuses on integrating physical science with daily living skills.
<i>Grades:</i>	9 -12	Topics addressed include personal health and hygiene skills, nutrition, basic cooking skills and measurement, weather, clothing and laundry skills, understanding the human body, and independent living skills aligned with their individual goals and needs.
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

SOCIAL STUDIES - SPECIAL EDUCATION

Modern World History SOYY16

<i>Credit:</i>	2 - General Ed	Modern World History is a two semester course that covers the history of the world from 1491-present in Africa, Asia, North and South America, Europe, and the Mideast. The overarching question for the course asks about continuity and change between each area of focus and our modern world. History emphasizes reading, writing, and research skills, and it culminates with an independent research project in which a student will analyze continuity and change for a particular topic or region. This class is aligned with the general education Modern World History course, but provides support for students in reading, writing, and research.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	IEP Placement	
<i>Recommendations</i>		

Civics SOSY08

<i>Credit:</i>	1 - General Ed	Civics is a semester long course typically taken by 10th graders that covers the foundations of United States governance. Units will include the purpose of government, the constitution, the political process, current political issues concerning domestic and foreign policy, state and local government, the relationship between government and economy, and global trade. Students will be required to pass an exam covering the constitutions of the United States and Illinois. The overarching question for the course asks how individuals can participate in the American democratic system and makes use of service learning to address this. This class is aligned with the general education Civics course, but provides support for students in reading, writing, and research.
<i>Grades:</i>	10	
<i>Prerequisite:</i>	Modern World History IEP Placement	
<i>Recommendations</i>		

United States History SOYY14

<i>Credit:</i>	2 - General Ed	This course addresses American history and government, including the three branches of government. Citizen rights and responsibilities are reviewed and an awareness of both civil and criminal law are taught. Students will use current events as a springboard for discussion of these topics. In addition, students study American History from the Civil War to the present. Societal relationships, the criminal justice system, due process of the law, and basic civil rights are also included in the curriculum. This course is aligned with the general education US History course, but students are provided support in reading, writing, and research.
<i>Grades:</i>	10	
<i>Prerequisite:</i>	Civics & IEP Placement	
<i>Recommendations</i>		

Law SOYQ13

<i>Credit:</i>	1 - General Ed	This course is designed to offer insight into the American criminal and justice systems. This class covers a variety of topics including crime statistics, the American prison system, alternatives to prison, factors of crime (reasons and solutions), the death penalty, the philosophy of justice, the American court system, Bill of Rights, civil rights, and due process of law. This course is aligned to the general education Law course, but students are provided support in reading, writing, and research.
<i>Grades:</i>	10	
<i>Prerequisite:</i>	Modern World History & IEP Placement	
<i>Recommendations</i>		

Community Studies SOYV10/15/20/25

Credit: 2 - General Ed This course integrates social studies, community studies and cultural studies with life skills. Topics covered in this course may include current events, government and citizenship including the U.S. Constitution test, community safety, cultural awareness, rules and laws, holidays and observances, community navigation and transportation, and community resources.

Grades: All

Prerequisite: IEP Placement

Recommendations

Vocational Awareness BUYV32-38

Credit: 2 - General Ed This course is designed to develop and apply vocational life skills such as social communication, money skills, understanding and following employer expectations, working as a member of a job team, executing vocational tasks with increasing independence.

Grades: 9-12

Prerequisite: IEP Placement

Recommendations

Work Study

Work Study Classroom CVYY10

Credit: 2 - General Ed This two semester course is designed for students to learn the skills necessary for seeking, Applying, and maintaining employment. Activities include: job application forms, reading and answering classified advertisements, job interviewing, computing paychecks, and completing employee/employer tax forms. Topics include employee/employer responsibilities, effective job behavior, and labor unions. Students are also given the opportunity for self-evaluation and career exploration in an effort to match their abilities and interests to realistic vocational goals.

Grades: 11-12

Prerequisite: IEP Placement

Recommendations

Work Study on the Job CVYY14

Credit: 2 - General Ed This course is a credit option for students who are actively engaged in working, whether in supported work training or competitive employment. For each job, careful consideration is given to the needs and ability levels of each student. Experiences may range from in-school job placements to assistance with independent community employment.

Grades: 11-12

Prerequisite: IEP Placement

Recommendations

WORLD LANGUAGES

Student placement into language courses is based upon both past achievement in the language and junior high school teacher's recommendations. Students with a strong background in a language may be considered for advanced standing, pending the results of a placement examination. Some low enrollment courses may be offered in only one building and students may need to travel to take the course. Completion of a full four-year language sequence may satisfy a college graduation requirement. Thus, it may be to the benefit of students to complete a four year language sequence by beginning language study in the freshman year.

The Seal of Biliteracy is available to students who demonstrate a high level of skills in a world language and English. See the World Language department website for more information.

Chinese

Chinese 1 LAYC01

<i>Credit:</i>	2 - General Ed	This is an introduction to the Mandarin Chinese language and culture. The four language skills of listening, speaking, reading and writing are developed. Students will participate actively and cooperatively in classroom activities, engage in guided conversations, and write utilizing familiar vocabulary and structures. Cultural information about daily life and social customs is integrated into the curriculum throughout the year, and students will also begin to learn about the geography of China. Students will be evaluated primarily on their knowledge of the Mandarin Chinese language and culture and on their ability to understand and communicate in Mandarin Chinese.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	No prior instruction in Chinese.	

Chinese 2 LAYC03

<i>Credit:</i>	<i>2 - General Ed</i>	This course continues the work of first-year Chinese with emphasis on oral comprehension and expression. The student acquires a deeper understanding of Chinese culture and customs. Grammar is more strongly emphasized in Chinese 3-4 so that the student is prepared to read and write more meaningfully.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Chinese 1 or teacher recommendation</i>	

Chinese 2 LAYC05 (Honors)

<i>Credit:</i>	<i>2 - Honors</i>	This is an accelerated second-year course for students who have shown superior ability and interest in Chinese. In addition to the material covered in Chinese 2, students read selections of fiction and nonfiction. Increased focus is placed on students' abilities to express themselves in the Chinese language. Also, students develop an appreciation for cultural differences, the educational system, the transportation system, the communication system and the various holidays and festivals.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Chinese 1 or teacher recommendation</i>	

Chinese 3 LAYC07

<i>Credit:</i>	<i>2 - General Ed</i>	This is a third-year course for students who have shown strong ability and interest in Chinese. In addition to the material covered in Chinese 2, students read selections of fiction and nonfiction. Increased focus is placed on students' abilities to express themselves in the Chinese language. Also, students develop an appreciation for cultural differences and various holidays and festivals.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Chinese 2 or teacher recommendation</i>	

Chinese 3 LAYC09 (Honors)

Credit: 2 - Honors

Grades: 9-12

Prerequisite: Chinese 2 Honors
or teacher recommendation

This is an accelerated third-year course for students who have shown superior ability and interest in Chinese. In addition to the material covered in Chinese 2 Honors, students read selections of fiction and nonfiction. Increased focus is placed on students' abilities to express themselves in the Chinese language. Also, students develop an appreciation for cultural differences and the various holidays and festivals.

Chinese 4 LAYC11

Credit: 2 - General Ed

Grades: 9-12

Prerequisite: Chinese 3 or
teacher recommendation

This is a fourth-year course that focuses on the development of all language skills with the goal of enhancing students' proficiency in each: reading, writing, listening and speaking. Aside from the required textbook, students will complete a series of both fiction and nonfiction readings. In addition to studying the Chinese grammar system, students will be introduced to a variety of cultural topics. Oral and listening proficiency will be enhanced through the use of audio and video.

Chinese 4 LAYC13 (Honors)

Credit: 2 - Honors

Grades: 9-12

Prerequisite: Chinese 3 Honors
or teacher recommendation

This accelerated course for students of high linguistic ability will enhance the students' reading, writing, listening and speaking skills. Aside from studying the fine points of Chinese syntax, students will write essays and read selections of Chinese fiction and nonfiction. Cultural topics will be presented as will audio and video, with the goal of increasing student's oral and listening proficiency.

Chinese AP LAYC15 (AP)

Credit: 2 - AP

Grades: 9-12

Prerequisite: Teacher
recommendation

This is a college level course. In keeping with the syllabus published by the College Board, the course focuses on contemporary reading, fine points of Chinese syntax, language production, and reception. Cultural topics are presented through readings and audio and video. Students frequently write essays to encourage original composition and to improve writing style. In addition, students participate in class discussion. The course is geared toward the AP. Chinese Language Exam which is given in May of each year. Upon achievement of an acceptable score, students may receive college credit and/or advanced college placement. All reading, writing and discussing is done in Chinese.

French

French 1 LAYF01

Credit: 2 - General Ed

Grades: 9-12

Prerequisite: No prior
instruction in French or the
equivalent of one or more years of
junior high French or teacher
recommendation

This is a foundation course which develops the student's ability to understand simple speech and an elementary ability to speak, read and write French. The emphasis is on pronunciation, structural patterns, phrases, and idiomatic expressions. In addition, everyday vocabulary and elementary grammatical constructions are introduced.

French 1 LAYF03 (Honors)

Credit: 2 - Honors

Grades: 9-12

An accelerated course for students who have demonstrated superior linguistic ability. This course emphasizes all four language skills: listening, speaking, reading and writing. The text is

Prerequisite: The equivalent of one year of junior high French with a grade of “A” or “B” or teacher recommendation

supplemented with extra materials that broaden and enrich the students’ vocabulary and communicative competence.

French 2 LAYF05

Credit: 2 - General Ed
Grades: 9-12

This course continues the work of first-year French with emphasis on oral comprehension and expression. The student acquires a deeper understanding of French culture and customs. Grammar is more strongly emphasized in French 2 so that the student is prepared to read and write more meaningfully.

Prerequisite: French 1, French 1 Honors, or two years of junior high French with a grade of “B” or “C” or teacher recommendation

French 2 LAYF07 (Honors)

Credit: 2 - Honors
Grades: 9-12

This is an accelerated second-year course for students who have shown superior ability and interest in French. In addition to the material covered in French 2, students read selections of fiction and nonfiction. Increased focus is placed on students’ ability to express themselves in the French language. Also, students develop an appreciation for cultural differences, the educational system, the transportation system, the communication system and the various holidays and festivals.

Prerequisite: French 1, French 1 Honors, or two years of junior high French with a grade of “A” or “B” or teacher recommendation

French 3 LAYF09

Credit: 2 - General Ed
Grades: 9-12

This course continues the work of second-year French. Continuous attention is given to the command of fundamental grammar, and there is an increased emphasis on reading and writing. Much of the classroom work is oral.

Prerequisite: French 2, French 2 Honors

French 3 LAYF11 (Honors)

Credit: 2 - Honors
Grades: 9-12

This is an accelerated third-year course open to students who have shown high linguistic ability. There is a continuing emphasis on specialized points of grammar, idiomatic usage and pronunciation, as well as the study of culture, history, and literature. Students read selected French works geared to increasing comprehension and conversational and writing ability. Original essay writing and free conversation in French are encouraged throughout the year.

Prerequisite: French 2 with teacher recommendation or French 2 Honors.

French 4 LAYF13

Credit: 2 - General Ed
Grades: 11-12

This course focuses on the development of all language skills with the goal of enhancing student’s proficiency in each: reading, writing, listening and speaking. Aside from the required textbook, students will complete a series of both fiction and nonfiction readings. In addition to studying the French grammar system, students will be introduced to a variety of cultural topics. Oral and listening proficiency will be enhanced through the use of audio and videotapes.

Prerequisite: French 3, French 3 Honors, or equivalent

French 4 LAYF15 (Honors)

Credit: 2 - Honors
Grades: 11-12

Prerequisite: French 3,
French 3 Honors, or *teacher*
recommendation

This accelerated course for students of high linguistic ability will enhance the students' reading, writing, listening and speaking skills. Aside from studying the fine points of French syntax, students will write essays and read selections of French fiction and nonfiction. In order to prepare students for French AP, students will cut their own audio tapes. Cultural topics will be presented as will audio and videotapes, with the goal of increasing student's oral and listening proficiency.

French 4 AP LAYF23 (AP)

Credit: 2 - AP
Grades: 12

Prerequisite: French 4
Honors or four years of high school
French or teacher recommendation

This is a college level course. In keeping with- the syllabus published by the College Board, the course treats contemporary reading, fine points of French syntax, language production and reception. Cultural topics are presented through readings and audio and video tapes. Students frequently write essays to encourage original composition and to improve writing style. In addition, students participate in class discussion and cut their own audio tapes. The course is geared toward the AP. French Language Exam which is given in May of each year. Upon achievement of an acceptable score, students may receive college credit and/or advanced college placement. All reading, writing and discussing is done in French.

German

German 1 LAYG01

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: No prior
instruction in German or the
equivalent of one or more years of
junior high German or teacher
recommendation

This foundation course is for all students, with little or no experience in German. This course is also recommended for students of limited language proficiency. Instructional methods take into consideration individual interest, abilities, and background. This course develops the student's ability to understand, speak, read and write elementary German, and to understand German culture. Geography and structure of the language are also studied. Audio-visual aids are used to enrich the course.

German 1 LAYG03 (Honors)

Credit: 2 - Honors
Grades: 9-12

Prerequisite: The equivalent
of one year of junior high German
with a grade of "A" or "B" or
teacher recommendation

An accelerated course for students who have demonstrated superior linguistic ability upon completion of at least one year of language study at the junior high level. This course is also recommended for superior students beginning a second foreign language at the high school level. It emphasizes all four language skills: listening, speaking, reading and writing. The text is supplemented by extra vocabulary and communicative competence. Class activities include oral/aural drilling. Audio visual aids are used to introduce cultural topics and to reinforce course objectives.

German 2 LAYG05

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: German 1,
German 1 Honors, or two years of
junior high German with a grade of
"B" or "C" or teacher
recommendation

This course reviews and expands upon the skills taught in first-year German. Students increase their vocabulary and competency in grammar usage, idioms, and sentence structure through reading, writing, and oral proficiency activities. Audio-visual aids reinforce the above objectives and advance the study of culture.

The course sets a proficiency standard high enough to give a practical and permanent value to the students' knowledge of German, as well as a prerequisite for more advanced study at the high school level.

German 2 LAYG07 (Honors)

Credit: 2 - Honors

Grades: 10-12

Prerequisite: German 1 with teacher recommendation or German 1 Honors or two years of junior high German and teacher recommendation

An accelerated course for well-motivated students. Achievement goals are higher than those for a standard second-year course. Emphasis is on fluency of speech, a greater range and quality of reading, and new areas of language structure. The readings include short stories, articles on current German events, as well as readings in culture and history. The readings lend themselves well to writing and discussion.

German 3 LAYG09

Credit: 2 - General Ed

Grades: 10-12

Prerequisite: German 2 or German 2 Honors

This course gives continuing attention to the command of fundamentals, as well as providing additional work on new grammatical points. German culture and civilization are studied with the aid of audio-visuals and tapes. Readings include poetry, short stories and articles in current journals which deal with topics such as sports, geography, economy, politics, education, and other topics of interest to students. The readings lend themselves well to writing and conversation, which are encouraged.

German 3 (Honors) LAYG11

Credit: 2 - Honors

Grades: 10-12

Prerequisite: German 2 with teacher recommendation or German 2 Honors

Students in this course read contemporary and classic short stories and poetry. The course objective is to increase further the students' reading, writing, speaking and listening skills. New grammar is introduced and reviewed throughout the year. German DVDs, Websites, CDs and MP3s are used regularly.

German 4 LAYG13

Credit: 2 - General Ed

Grades: 11- 12

Prerequisite: German 3 or German 3 Honors

The fourth year of German enables students to employ their language skills with a conversational approach. Selected short stories representative of contemporary German literature are analyzed and discussed. Articles taken from the printed media provide a basis for discussion and conversation topics. Subject matter is intended to provide a greater insight into the contemporary German scene. Essential elements of German grammar are reviewed as necessary while major emphasis is placed upon reading comprehension and conversational skills. Authentic materials such as German films and German websites will be used to illustrate past and present cultural aspects of this course.

German 4 LAYG15 (Honors)

Credit: 2 - Honors

Grades: 11- 12

Prerequisite: German 3 with teacher recommendation or German 3 Honors

In addition to continued employment of language skills this course introduces students to German literature. Students study works from various literary periods and develop an appreciation for literary trends. Also, opportunities are provided to increase speaking ability, listening comprehension, and fluency in writing.

German 4 AP LAYG21 (AP)

Credit: 2 - AP

The course mirrors a college level course that emphasizes writing, reading and vocabulary

<i>Grades:</i>	12	improvement. Readings are drawn from a variety of current selections stressing colloquial vocabulary and modern issues. Instruction is primarily in German. Success on the National Advanced Placement Exam may entitle the student to college credit, advanced college placement or both.
<i>Prerequisite:</i>	German 3 with teacher recommendation or German 3 Honors	

Hebrew

Hebrew 1 LAYH01

<i>Credit:</i>	2 - General Ed	This is a beginning course which focuses on speaking modern Hebrew, reading Hebrew texts, and writing (starting from "Alef-Bet"). An emphasis is placed on the development of conversational fluency through dialogues and audio-visual aids. In addition to the study of the language itself, students are introduced to Hebrew and Israeli culture through songs, discussions, films and field trips. No previous knowledge of Hebrew is necessary.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	No prior instruction in Hebrew or the equivalent of one or more years with a grade of "C" or below	

Hebrew 2 LAYH03

<i>Credit:</i>	2 - General Ed	This is a continuation of the first-year course. Emphasis is placed on developing the students' Hebrew vocabulary and sentence structure for practical conversational purposes and improving their reading and writing skills. Students' aural skills are enhanced by listening to tapes.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Hebrew 1 or second year proficiency as demonstrated on a placement test	

Hebrew 2 LAYH09 (Honors)

<i>Credit:</i>	2 - Honors	An accelerated course designed for advanced students with an appropriate background. Emphasis is placed on fluency of speech, greater listening and reading comprehension, and new areas of language structure. The readings include short stories, articles on current Israeli events, as well as readings in Hebrew culture and history. Individualized reading and oral presentations are geared to the students' abilities and interests.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Hebrew 1 and teacher recommendation or superior second year proficiency as demonstrated on a placement test	

Hebrew 3 LAYH05

<i>Credit:</i>	2 - General Ed	An extension of second-year Hebrew. Continuous attention is given to conversation, vocabulary, and reading comprehension. Students are introduced to selections of modern Hebrew literature and newspapers. In addition to the study of the language itself, this class examines Hebrew and Israeli culture through songs, discussions, films, and field trips.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Hebrew 2 with teacher recommendation or Hebrew 2 Honors	

Hebrew 3 (Honors) LAYH11

<i>Credit:</i>	2 - Honors	An accelerated course designed for advanced students. Achievement goals are higher than those of the regular third level year course. The main objectives are to broaden the student's' ability to speak, read and write the language. Students read extensively from Hebrew and Israeli texts. Newspaper articles, Israeli current events, songs and culture are also included.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Hebrew 2 or Hebrew 2 Honors and	

Hebrew 4 LAYH07

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: Hebrew 3,
Hebrew 3 Honors, or teacher
recommendation

Skills developed in the first three years are expanded upon. Listening comprehension, writing and extensive reading are the main course objectives. Students are introduced to the writings of outstanding Hebrew authors such as Bialik, Peretz, and Agnon. Listening to Israeli broadcasts, tapes, records, and the reading of both literature and newspapers comprise course activities. In addition, students study Hebrew and Israeli culture through songs, discussion, films, and field trips, and the reading of both literature and newspapers comprise course activities. In addition, students study Hebrew and Israeli culture through songs, discussion, films, and field trips.

Hebrew 4 (Honors) LAYH13

Credit: 2 - Honors
Grades: 9-12

Prerequisite: Hebrew 3 with
teacher recommendation or
Hebrew 3 Honors

This course is an introduction to Hebrew literature. Students study works of various literary periods (Biblical, Talmudic, classical, and modern) and develop an appreciation and understanding of the writers and their times emphasized. Hebrew culture, Israeli current events and songs are also included.

Advanced Hebrew Topics (Honors) LAYH17

Credit: 2 - Honors
Grades: 9-12

Prerequisite: Advanced
Placement
Prerequisite: Hebrew 4
and recommendation of teacher or
Hebrew 4 Honors

This four year non-sequential, rotating curriculum is designed for students who have advanced Hebrew skills. A variety of Hebrew literary styles will be introduced including: poetry, short stories, novels, drama, and essays ranging from Biblical times to contemporary Israeli literature. The course will emphasize critical reading, literary analysis, and understanding of trends in Hebrew literature. Students will be introduced to cultural issues through current event discussions, listening to live news broadcasts, reading various printed media, and watching Israeli movies. Students will improve their skills in Hebrew reading, speaking, writing, and literary analysis.

Spanish

Spanish Introduction 1 LAYS01

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: No prior
instruction in Spanish or a grade of
C or lower in one or more years of
junior high Spanish

An introductory, moderately paced course for students of limited language proficiency. Special attention is given to practical vocab, pronunciation, and basic grammatical structures. The course emphasizes all four language skills: listening; speaking; reading; and writing. Class activities include dictation, oral proficiency exercises, the preparation of dialogues and written exercises. Audio-visual aids are used to both reinforce oral/aural course objectives and to introduce cultural topics. This course prepares students for Spanish Intro 2. Students wishing to complete a full 4 year language sequence should enroll in Spanish 1.

Spanish 1 LAYS03

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: No prior
instruction in Spanish or a grade of
C or lower in one or more years of
junior high Spanish

The course treats all language learning skills: listening, speaking, reading, and writing. Students learn to manipulate structural patterns of Spanish with the primary goal being the understanding and production of the written and spoken language. Class activities include preparation of dialogues, question/answer exchanges, oral proficiency sessions, and the completion of written exercises. Audio-visual materials and computer software reinforce the linguistic and cultural outcomes of the course. Cultural topics focus both on Latin America and Spain. This course prepares students for Spanish 2.

Spanish for Heritage Speakers LAYS27

Credit: 2 - General Ed

Grades: 9-12

A course geared to the needs of heritage Spanish speakers who have grown up with Spanish in the home. Learning outcomes are focused on reading and writing skills as well as preparation for more advanced Spanish courses.

Prerequisite: Counselor recommendation, junior high placement, or based on evaluation by high school

Spanish for Heritage Speakers LAYS29 (Honors)

Credit: 2 - Honors

Grades: 9-12

A course geared to the needs of heritage Spanish speakers who have grown up with Spanish in the home. Learning outcomes are focused on reading and writing skills as well as preparation for more advanced Spanish courses in the honors sequence.

Prerequisite: Counselor recommendation, jr. high placement, or based on evaluation by high school teacher

Spanish Introduction 2 LAYS07

Credit: 2 - General Ed

Grades: 9-12

This course, a continuation of Spanish Introduction 1, develops all four language skills. Attention is given to vocabulary and structure which students can use in practical situations. Special emphasis is also placed on the role of Spanish in the English language. Both the history and culture of Spanish speaking countries and Spanish speakers in the United States are discussed. Students wishing to continue their language study or to be prepared for college placement testing should consult with their language instructor to discuss placement in Spanish 2.

Prerequisite: Spanish Introduction 1 or Spanish 1 with teacher recommendation

Spanish 2 LAYS09

Credit: 2 - General Ed

Grades: 9-12

This course reviews and expands upon the skills taught in the first-year of the sequence. Students increase their vocabulary and competency in grammar usage, idioms, and sentence structure through reading, writing, and oral proficiency activities. Audio-visual presentations reinforce the above objectives and advance the study of culture

Prerequisite: Spanish 1, Spanish 1 Honors, or two years of junior high Spanish with a grade of "B" or "C", Spanish Intro 2, with a grade of "A" or "B" or teacher recommendation

Spanish 2 LAYS11 (Honors)

Credit: 2 - Honors

Grades: 9-12

This is an in-depth course for highly motivated students who have demonstrated excellence in first-year Spanish or its equivalent. The learning outcomes include a systematic study of vocabulary, grammatical points, verbs, and idioms. Using proficiency related materials; students improve their communicative competence both in speaking and writing. In the first semester students read and discuss selections from Spanish literature. In the second semester, non-fiction. Audio visual aids reinforce the above objectives and enhance the study of culture. Original writing and oral proficiency sessions prepare students for more advanced language study.

Prerequisite: Spanish 1 with teacher recommendation or Spanish 1 Honors or 2 years of jr. high Spanish with a grade of "A" or "B"

Spanish 3 LAYS13

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: Spanish 2 or
Spanish 2 Honors

Through the use of proficiency oriented materials, students develop their listening, speaking, reading and writing skills. Building upon content mastered in the second year program, the course focuses on verb tense, mood, and fine points of usage. Students read and discuss a collection of short stories or an abridged work of fiction to enhance their reading comprehension and to improve their spoken Spanish. Culture is taught through the above readings, the text, and video presentations. Students also write original compositions and deliver short oral presentations. This course prepares students for either Spanish 4 or Spanish Conversation with teacher recommendation.

Spanish 3 LAYS15 (Honors)

Credit: 2 - Honors
Grades: 9-12

Prerequisite Spanish 2 with
teacher recommendation or
Spanish 2 Honors

An accelerated course whose goal is to improve students' communicative competence in both oral and written idiomatic Spanish. Aside from an in-depth study of verbs in the indicative, imperative, and subjunctive moods, students study and apply the fine points of usage to a variety of proficiency oriented activities. Students also read short stories and an unabridged play or novel. Throughout the year, students write original compositions and deliver oral presentations. Culture outcomes are taught through video presentations, the textbook and literary selections. This course prepares students for Spanish 4 Honors with teacher recommendation.

Spanish 4 LAYS17

Credit: 2 - General Ed
Grades: 9-12

Prerequisite Spanish 3 or
Spanish 3 Honors

Students continue their mastery of listening, speaking, reading, writing, and grammar skills. Reading is both intensive and extensive, encompassing all genres, including both newspapers and magazines. Readings emphasize contemporary history and culture, and reflect social and cultural issues. In addition, students write essays reflecting their understanding and interpretation of the aforementioned stimuli. Conversation is heavily emphasized and is based upon the students' personal reactions to the readings, tapes, current events, etc.

Spanish 4 LAYS19 (Honors)

Credit: 2 - Honors
Grades: 9-12

Prerequisite Spanish 3 with
teacher recommendation or
Spanish 3 Honors

This accelerated course approximates mastery of all language skills. Students review fine points of grammar, using a review text. Oral resumes of articles from newspapers and magazines, dealing with the Spanish-speaking world, form the basis for discussions in Spanish. Each semester students read contemporary fiction to develop both an appreciation of literature and analytical skills. A conversation text is used to increase practical vocabulary on certain topics, such as travel, sports, shopping, recreation, etc. Throughout the year, tapes are used for listening comprehension. Oral proficiency activities enhance conversational skills.

Spanish Conversation LAYS21

Credit: 2 - Honors
Grades: 9-12

Prerequisite Spanish 4,
Spanish 4 Honors, or AP Spanish.
May be taken concurrently or upon
completion of a 4th year Spanish
course.

This is a fourth or fifth year level course. The emphasis is on conversation skills, vocabulary development, and topics of practical use for one who may travel in a Spanish speaking country or work with Spanish speaking people in business or recreation. Students are required to participate in daily classroom conversation. The course grade will be based on daily preparation, active participation in class discussion, quizzes, tests and projects.

Advanced Spanish Topics LAYS23

<i>Credit:</i>	2 - AP	Through the use of proficiency oriented materials, students develop their speaking, listening, reading and writing skills. Building upon content mastered in the fourth year program, the course focuses on the student's ability to communicate verbally and in writing. Culture is taught through the text supplementary material and video presentations. Students also write original compositions, conduct interviews, deliver short oral presentations and do a project each semester that is appropriate to the content of the course.
<i>Grades:</i>	12-	
<i>Prerequisite:</i>	Spanish Conversation, Spanish 4 Honors, or AP Spanish	

Spanish AP Language and Culture LAYS25

<i>Credit:</i>	2 - AP	This is a college equivalent Spanish course. The focus of the class is on listening, reading, contemporary literature, fine points of Spanish syntax, spoken Spanish, and Latin American and Spanish culture. Essays are assigned to encourage original composition and to improve writing style. During both semesters, students participate in class discussion and do a lot of speaking in the language lab. The course is geared toward the Advanced Placement Examination which is given in May of each year. Upon achievement of an acceptable score on the examination, the student may receive college credit and/or advanced college placement. All reading, writing, and speaking is done in Spanish.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	Spanish 4, Spanish 4 Honors, or teacher recommendation	

AP Spanish Literature and Culture LAYS31

<i>Credit:</i>	2 - AP	AP Spanish Literature is a college equivalent course for students who have completed AP Spanish Language and Culture. The course promotes an appreciation of the Spanish language and of Hispanic literature and culture through a thematic approach that introduces students to representative texts (short stories, novels, poetry, and essays) from Latin America and Spain. Students continue to develop proficiencies across the full range of the modes of communication (interpersonal, presentational, and interpretive), honing their critical reading and analytical writing skills. Literature is examined contextually as students reflect on the many voices and cultures present in the required readings. It also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, and literary criticism). Conducted entirely in Spanish, it leads to the AP exam in May.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	AP Spanish Language or Teacher recommendation	

ENGLISH LEARNERS

Introduction to English Language ACCESS composite of 1.0-1.9

Introduction to English Language Vocabulary ENYX00

Credit: 2 - General Ed
Grades: 9-12
Prerequisite: Placement

Introduction to English Language Vocabulary is a beginning course for students who possess very English skills or who not speak any English or have very minimal, or students who have Entering English proficiency. Emphasis is on basic literacy skills and communication in speaking, listening, reading and writing. Vocabulary development, sentence structure, decoding (phonics), comprehension, and spelling. Time will also be devoted to understanding the American school day and the student's responsibilities in the system.

Introduction to English Language Grammar ESYX00

Credit: 2 - General Ed
Grades: 9-12
Prerequisite: Placement

Introduction to English Language Grammar is a beginning course for students who not speak any English or have very minimal English proficiency. Emphasis is on basic literacy skills and communication in speaking, listening, reading, and writing.

Introduction to English Language Grammar Lab ESYX00-L

Credit: 2 - General Ed
Grades: 9-12
Prerequisite: Placement

Introduction to English Language Grammar Lab is a beginning course for students entering who do not possess any English skills or have minimal English proficiency. Emphasis is on basic literacy skills and communication in speaking, listening, reading, and writing. Students in the Grammar Lab are provided an opportunity to practice their oral speaking skills.

Introduction to English Language Reading RDYX00

Credit: 2 - General Ed
Grades: 9-12
Prerequisite: Placement

The course focus Emphasis in class is placed on developing basic reading skills. Students are introduced to folk tales, human interest stories, biographies and short stories. They are introduced to the skills of prediction, comprehension of main ideas, comprehension of details, sequential order, and inference.

English Learner 1 ACCESS Composite of 2.0-2.9

English Learner Grammar 1 ESYX01

Credit:
General Ed
Grades: 9-12
Prerequisite: Placement

English Learner Grammar 1 is offered to students who are Emerging and have some English proficiency. Basic communication skills are emphasized. The focus of the course is focused on the acquisition and production of English grammar in the areas of speaking, reading and writing. English Learners 1 is offered to non-native speakers with minimal or limited English proficiency. Emphasis is placed on basic interpersonal communicative skills (BICS).

There are three essential goals: 1) to learn basic grammatical patterns and then accurately produce simple patterns including statements using present, past and future tenses, questions and negative forms in speech and writing; 2) to learn relevant life-skills and academic vocabulary coupled with a wide range of writing and speaking tasks to provide flexible, authentic practice. Students utilize the vocabulary as they create projects, make presentations, and act out dialogues or small plays; 3) to be able to write a simple narrative.

English Learner Literature 1 ENYX01

Credit: English Learner Literature 1 is offered to students who possess minimal or limited English proficiency.

<i>General Ed</i>		Emphasis is placed on basic interpersonal communicative skills (BICS). Two essential goals for our students: 1) to learn relevant life-skills and academic vocabulary coupled with a wide range of writing and speaking tasks to provide flexible, authentic practice. Students utilize the vocabulary as they create projects, make presentations, and act out dialogues or small plays; 2) to be able to write a simple narrative, fill out a form, and write clear, appropriate answers to homework and test questions
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>		
<i>Placement</i>		

English Learner Reading 1 RDYX01

<i>Credit:</i>	2 - General Ed	The course focus
<i>Grades:</i>	9-12	Emphasis in class is placed on developing basic reading skills. Students are introduced to folk tales, human interest stories, biographies and short stories. They are introduced to the skills of prediction, comprehension of main ideas, comprehension of details, sequential order, and inference.
<i>Prerequisite:</i>	Placement	

English Learner Level 2 ACCESS composite of 3.0-3.9

English Learner 2 Grammar ESYX02

<i>Credit:</i>	2 - General Ed	English Learner Grammar 2 is an intermediate course offered to English Learners who are developing proficiency in English, but still have not met the Exit criteria as determined by the state and federal government. Students difficulty communicating and understanding. This course provides support in developing reading, writing, and speaking skills. Students are introduced to different literary genres and begin to develop expository and creative writing skills.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Placement	

English Learner 2 Literature ENYX02

<i>Credit:</i>	2 - General Ed	English Learner Literature 2 is an intermediate course offered to non-native speakers who are developing proficiency in English, but still have difficulty communicating and understanding. This course provides support in developing reading, writing, and speaking skills. Students are introduced to different literary genres and begin to develop expository and creative writing skills.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Placement	

English Learner Reading 2 RDYX03

<i>Credit:</i>	2 - General Ed	The focus of English Language Learners Reading 2 is to teach students to read for both meaning and appreciation. Emphasis is on learning critical reading strategies that will improve students' comprehension of fiction and nonfiction writing. Students develop and expand their vocabulary within the context of the class readings and learn word attack skills as well as different reading strategies that will help them become in-depth readers in their other classes. Students analyze and discuss literature by applying literary terms to different genres of literature, including short stories, plays, novels, and poetry.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Placement	

English Learner Level 3 ACCESS composite of 4.0-4.7

English Learner 3 Grammar ESYX03

<i>Credit:</i>	- General Ed	English Language Learners 3 is the advanced course offered to English Learners who are expanding their English skills. Emphasis is placed on essay writing and analysis of short stories and novels.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Placement	

English Learner 3 Literature ENYX03

<i>Credit:</i>	2 - General Ed	English Language Learners is an advanced course offered to English Learners who expanding their English, but may still have difficulty communicating and understanding. This course provides support in developing reading, writing, and speaking skills. Students are introduced to different literary genres and begin to develop expository and creative writing skills.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Placement	

Freshman English 12-22 ENYX19 (ELL) ACCESS Score of 4.7 or above

<i>Credit:</i>	2 - General Ed	This course is designed for students who have “exited the EL program or about to “exit” focuses on the integration of writing and reading skills, vocabulary development, and mastery of English conventions. In each semester, instruction is based on mythology, the Bible as literature, fiction and selected poetry. In second semester, the study of Shakespearean drama is also integrated. Throughout the year, students are introduced to a variety of literary terminology and are taught how to read both for meaning and appreciation of assigned works and in selected outside reading.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	Placement recommendation	

Sophomore English 32-42 ENYX29 (ELL)

<i>Credit:</i>	2 - General Ed	This course focuses on close reading of literature as a point of departure for persuasive and critical writing, emphasizing multi-paragraph essays, development, organization, and usage. The essays that the students read will serve as models for their compositions. In addition, the course includes the systematic study of vocabulary and usage, each of which is integrated into student writing. Throughout the year, students are introduced to a variety of literary terminology.
<i>Grades:</i>	10	
<i>Prerequisite:</i>	Freshman English	

American Studies - Literature and Composition (ALCUSH) ENYJ09 (ELL)

<i>Credit:</i>	2 - General Ed	The primary outcomes of this course are the same as those in the separate American Literature and U. S. History courses. Students in this integrated course will also study the direct links between American history, literature, and culture in a thematic, team-taught setting.
<i>Grades:</i>	11	
<i>Prerequisite:</i>	Sophomore English 32-42	

Social Justice and Equity ENYX40 (ELL)

<i>Credit:</i>	2 - General / Honors	In this course, students will develop the skills necessary to actively engage in discussions about race as they develop their own linguistic skills while understandings the forces that influence their individual world views. Students will be able to utilize a four linguistic targets of reading, speaking, listening, and writing.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	American Literature, ACCESS Score of 3.8 or higher	

MATHEMATICS - ENGLISH LEARNERS

Algebra Fundamentals MAYX01 (ELL)

<i>Credit:</i>	2 - General Ed	This is an Algebra preparation course that will focus on the building blocks of Algebra: simplifying expressions, solving linear equations, and graphing linear equations. It is intended to fully prepare students to successfully complete Algebra 1 the following year. The course delivers instruction through a linguistic model that is focused on building language skills for students whose first language is not English.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	Placement	
<i>Recommendation</i>		

Algebra 1 MAYX20 (ELL)

<i>Credit:</i>	2 - General Ed	This is a first year algebra course. Topics include: algebraic symbols and formulas; arithmetic operations with algebraic expressions; equations and inequalities; coordinate systems and mathematical graphing; systems of equations; factoring; algebraic fractions; exponents and radicals; functions; quadratic equations; and elementary probability and statistics concepts.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Placement	
<i>Recommendation</i>		

Geometry MAYX30 (ELL)

<i>Credit:</i>	2 - General Ed	This is a course in Euclidean geometry, using both inductive and deductive reasoning. It includes an informal introduction to solid geometry. Students are expected to learn through discovery by conducting investigations and constructions by hand or with computer software. Topics include congruency, similarity, parallel lines, circles, polygons, constructions, areas, volumes, and coordinate geometry.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Algebra 1	

Algebra 2 MAYX40 (ELL)

<i>Credit:</i>	2 - General Ed	This course includes the advanced topics from the first two semesters of algebra handled in greater depth. New topics include linear systems in three dimensions; rational, exponential, radical, and polynomial functions; matrices; logarithms; and complex numbers.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	Algebra I and Geometry	

SCIENCE - ENGLISH LEARNERS

Physical Science SCYX01 (ELL)

<i>Credit:</i>	2 - General Ed - Physical Science	The Physical Science class is a physical science course for limited English proficiency students with an opportunity to develop the fundamental skills of science. Physics semester topics will include forces, motion, and energy. Chemistry semester concepts will include properties of matter, equilibrium, kinetics, and atomic structure. The fundamental science principles learned in this course prepare students for future laboratory science courses. Appropriate accommodations are made to meet varied language abilities, learning styles, reading levels, and mathematical abilities. Course instruction is delivered using a linguistic model that is focused on building language skills for students whose first language is not English.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	Placement recommendation	

Biology SCYX03 (ELL)

<i>Credit:</i>	2 - General Ed - Life Science	This is a laboratory course which introduces students to the study of living things. The course stresses the nature of life processes of organisms in their environment. All levels of biological
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<i>Grades:</i>	9-12	organization are examined from molecules and cells to populations and ecosystems. During a typical unit, students are involved in numerous learning activities including reading, writing, note taking, discussions, observation, experimental design, and projects, both independent and collaborative. Laboratory investigations are based on guided inquiry and are intended to provide students with a relevant and experiential view of the nature of biology.
<i>Prerequisite:</i>	<i>Placement recommendation</i>	

SOCIAL STUDIES - ENGLISH LEARNERS

Intro to Social Studies 1 SOYX03 (ELL)

<i>Credit:</i>	2 - General Ed	This general elective year-long course, which may be co-taught by an ELL teacher and a Social Studies teacher, provides ELL 1 students with key vocabulary, geography, map skills, and reading, writing, and speaking skills necessary for basic comprehension in the content of Social Studies.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	<i>Teacher recommendation</i>	ELL 2 students with sufficient background may take Modern World History concurrently with this course. Does not carry Social Studies credit but counts as a general elective credit.

Modern World History SOYX02 (ELL)

<i>Credit:</i>	2 - General Ed	Modern World History is a two semester course that covers the history of the world from 1491-present in Africa, Asia, North and South America, Europe, and the Mideast. The overarching question for the course asks about continuity and change between each area of focus and our modern world. The first semester covers World History from approximately 1491-1914 (start of WWI), and the second semester covers from WWI to the present. The history of Europe is still a major emphasis in this course, but it is integrated into the history of the rest of the world. Modern World History emphasizes reading, writing, and research skills, and it culminates with an independent research project in which a student will analyze continuity and change for a particular topic or region.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	None	

Civics SOSC08 or SOSX08

<i>Credit:</i>	1 - General Ed	Civics is a one semester course that focuses on government institutions, current and controversial issues, discussions, service learning, and simulations of democratic processes, therefore meeting the Illinois State Civics requirement. Units will include the purpose of government, the constitution, the political process, current political issues concerning domestic and foreign policy, state and local government, the relationship between government and economy, and global trade. Students will be required to pass an exam covering the constitutions of the United States and Illinois. The overarching question for the course asks about how individuals can participate in the American democratic system. Civics emphasizes reading, writing, research, and service learning.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	Modern World History or AP World History	

American Studies - United States History (ALCUSH) SOYU09 or SOYX01 (ELL)

<i>Credit:</i>	4 - General Ed	The primary outcomes of this integrated course will be to study the direct links between American Literature and American History. This course is a study of the people and forces that have shaped American History. The focus in this class is placed on the 20th Century and stresses the development of American institutions and the problems arising from the diversity of values and interests that are inherent in our society. This course satisfies the state requirement that United States History be taught in all accredited high schools.
<i>Grades:</i>	11	
<i>Prerequisite:</i>	Sophomore English 32-42	

*Additional courses with English Learner support listed in core areas.

AVID (Advancement Via Individual Determination) AVYA01

Credit: 2 - General

Grades: 9-12

Prerequisite: Application

*Process. Please see your
counselor*

AVID (Advancement via Individual Determination) is a four year elective course that prepares students for advanced placement courses in high school and future college level coursework. This course focuses on developing writing, inquiry, collaboration and reading through the content areas as well as communication, self advocacy, leadership, and organization/time management skills. The course will also focus on extensive college and career post secondary planning. Developing the college entrance essay as well as the college application and financial aid process are also integral to the AVID experience.

