

Student Planning Guide 2018-19

District 219 7700 Gross Point Rd. Skokie, IL 60077 847.626.3000	Niles North High School 9800 N. Lawler Avenue Skokie, IL 60077 847.626.2000 James Edwards - Principal	Niles West High School 5701 W. Oakton Street Skokie, IL 60077 847.626.2500 Dr. Jason Ness - Principal	Niles Central High School 7800 Gross Point Road Skokie, IL 60077 847.626.3120 Joseph Bruzzino - Principal
Board of Education - President	Dr. David Ko	Board of Education - Secretary	Rich Evonitz
Board of Education - Vice President	Joseph Nowik	Board of Education - Secretary Pro Tem	Linda Lampert
Board of Education	Mark Sproat	Board of Education	Naema Abraham
Board of Education	Brian Novak		

District Administration

Superintendent - Dr. Steven Isoye (847) 626-3960

Assistant Superintendent Curriculum & Instruction

Dr. Anne Roloff - (847) 626-3955

Assistant Superintendent for Business/CSBO

Dr. Eric Trimberger - (847) 626-3973

Executive Director of Student Services and Special Education

Bridget Connolly - (847) 626-3990

Assistant Superintendent of Human Resources

Dr. Edmund Murphy - (847) 626-3973

Niles North High School			Niles West High School		
James Edwards	626-2011	Principal	Dr, Jason Ness	626-2510	
Marlon Felton	626-2021	Assistant Principal for Operations	Mark Rigby	626-2520	
Laura Bolech	626-2391	Assistant Principal for Student Services	Dr. Antwan Babakhani	626-2930	
Brett Bildstein	626-2281	Athletic Director	Kendall Griffin	626-2801	
Rick Aceves	626-2131	Director of ELL	Rick Aceves	626-2131	
Chris Powell	626-2540	Director of Engineering, Computer Science, and Business (K-12)	Chris Powell	626-2060	
La Wanna Wells	626-2026	Director of Equity	La Wanna Wells	626-2026	
Tim Ortmann	626-2050	Director of Fine and Applied Arts	Patti-Anne Ford	626-2560	
Tony Bradburn	626-2091	Director of Humanities	Sanlida Cheng	626-2930	
Joseph Obrycki	626-2270	Director of Mathematics	Lucas Leavenworth	626-2741	
Paul Swanson	626-2288	Director of Physical Welfare	Joaquin Stephenson	626-2828	
Joan Gallagher	626-2221	Director of Science	Ami LeFevre	626-2670	
Matthew Singer	626-2341	Director of Special Education	Carole Burns	626-2880	
Caroline Benjamin	626-2401	Director of Student Activities	Katie Odell	626-2921	
Todd Bowen	626-2130	Director of World Languages	Todd Bowen	626-2130	

K-12 Programming - Classrooms First - (847) 626-2495

Executive Director of STEM
Dr. Steven Shadel

Director of K-12 Literacy
Jennifer Laughlin

Director of K-12 Science
Terry Stroh

Director of K-12 Engineering & Computer Science

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 work force, 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 D219.

The following schedule examples are frameworks for discussions with your counselor. Students may follow a framework like the courses below, or select different coursework.

D219 Career Pathways (click on pathways to explore)

- Architecture & Construction - [Link](#)
- Arts, Audio Visual Technology, and Communication - [Link](#)
- Business, Marketing, Management, and Finance - [Link](#)
- Information Technology & Computer Science - [Link](#)
- Education and Training - [Link](#)
- Manufacturing / Engineering Technology - [Link](#)
- Government, Human Services, and Law - [Link](#)
- Health Science - [Link](#)
- Hospitality, Food, Agriculture, and Natural Resources - [Link](#)
- STEM - Science, Technology, Engineering, and Mathematics - [Link](#)
- Transportation, Distribution, and Logistics - [Link](#)

*Class of 2022 - Incoming Freshman will select Pathway or Pathways during Counselor Appointment

Architecture & Construction

Designing, planning, managing, building, and maintaining the built environment including the use of green technologies.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	<i>Introduction to Engineering Design</i>	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
Year 2	<i>Principles of Engineering</i>	Sophomore English	Geometry or Algebra 2	Civics *Public Speaking	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
Year 3	<i>Civil Engineering & Architecture</i>	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective	Physics	Lab	Lunch
Year 4	<i>Engineering Design & Development</i>	English - College Prep English Elective	Pathway Elective	*Consumer Education Pathway Elective	Pathway Elective	PW Elective	Pathway Elective	Pathway Elective	Lunch

Pathway Course Information	Introduction to Engineering Design IED-PLTW	Students dig deep into the design process, applying math, science, and engineering principles to identify, design, and prototype solutions. Grade: 9-12 - Weight: AP - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Principles of Engineering POE-PLTW	Students develop problem-solving skills by tackling real-world engineering problems through theory and practical hands-on experiences Grade: 9-12 - Weight: AP - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Civil Engineering & Architecture CEA-PLTW	Students learn various aspects of civil engineering and architecture and apply their learning to the design and development of a local property site. Grade: 9-12 - Weight: AP - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Engineering Design & Development EDD-PLTW	Students research, design, and construct a solution to an engineering problem, then present and defend the solution to a panel of outside reviewers. Grade: 9-12 - Weight: AP - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No

Pathway Electives	<ul style="list-style-type: none"> • AP Computer Science Principles • AP Economics • AP Environmental Science • AP Government • AP Physics • Art • Automotive Fundamental • CNC Programming & Machining Technology • Digital Electronics • Entrepreneurship & Business Strategies • Financial Accounting • Intro to Computer Science • Investing • Marketing • Theatre Workshop / Acting • Welding & Metal Fabrication <p>See coursebook for additional electives.</p>	Public Speaking - Select one of the following courses:
		<ul style="list-style-type: none"> • Intro to Debate (Meets Soc Studies Requirement) • Theatre Workshop (Meets FAA Requirement) • Broadcasting • Public Speaking (Meets English Requirement)
		Consumer Education - Select one of the following courses:
		• Consumer Education • Business & Tech 1&2 • Work Study
		World Language - Please check with your counselor to determine language requirements. • Chinese • French • German • Hebrew • Spanish

Careers	<i>Bachelors or Higher Degree</i>			
	<ul style="list-style-type: none"> • Architect • Civil Engineer • Surveyor 	<ul style="list-style-type: none"> • Interior Designer • Landscape Architect • Electrical Engineer 	<ul style="list-style-type: none"> • Health & Safety Engineer • Industrial Engineer • Material Engineer 	<ul style="list-style-type: none"> • Cartographers & Photogrammetrists • Marine Engineer • Naval Architect
	<i>Associates Degree</i>			
	<ul style="list-style-type: none"> • Electrician • General Contractor 	<ul style="list-style-type: none"> • Civil Engineer Technician • Electrical Engineer Technician 	<ul style="list-style-type: none"> • Bricklayer • Carpenter 	<ul style="list-style-type: none"> • HVAC Technician • Plumber
	<i>Industry Credential</i>			
	<ul style="list-style-type: none"> • Kitchen and Bath Specialty • Basic Welding • Advanced Welding • Welding Fabrication 	<ul style="list-style-type: none"> • Heating Service • Refrigeration Service • Residential Comfort Systems • Refrigeration/Air Conditioning Service 	<ul style="list-style-type: none"> • 2D CAD • 3D CAD Design • LEED Design & Certifications • Building Codes and Enforcement 	<ul style="list-style-type: none"> • Domestic Refrigeration & Heating • Interior Design Technology • Perspective and Rendering

Postsecondary Majors (College / University)	<i>Consider:</i>			
	<ul style="list-style-type: none"> • Architectural Engineering • Building Management • Interior Architecture • Construction Engineering 	<ul style="list-style-type: none"> • Landscape Architecture • Construction Management • Building Constructor • Energy Management 	<ul style="list-style-type: none"> • Architectural Technology • Civil Engineering • Mechanical Drafting • Drafting/Design Technology 	

Extra Curricular	<i>Clubs and Activities:</i>			
	<ul style="list-style-type: none"> • Internships • Job Shadowing • Ask the Expert 	<ul style="list-style-type: none"> • Robotics Club • Robotics Summer Camp • Science Olympiad • WYSE 	<ul style="list-style-type: none"> • Auto Club • Volunteer at Habitat for Humanity, etc. • NSERVE Summer Career Exploration • RIOT 	

Career Data	<i>Resources - Career Information</i>			
	<u>Inspire Your Future:</u> Connecting local business professionals with students exploring their career options.			
	<u>Career Cruising:</u> Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.			
	<u>Naviance:</u> Naviance 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.			
	<u>Career One Stop:</u> Sponsored by the U.S. Department of Labor			
	<i>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.</i>			

Arts, Audio Visual Technology, and Communications

Designing, producing, exhibiting, performing, writing and publishing multimedia content, including visual and performing arts and design, journalism and entertainment services.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	<i>Choir, Orchestra, Art, Band, Fashion, Debate, Broadcasting, Theatre</i>	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
Year 2	<i>Choir, Orchestra, Art, Band, Fashion, Debate, Broadcasting, Theatre</i>	Sophomore English	Geometry or Algebra 2	Civics *Public Speaking	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
Year 3	<i>Choir, Orchestra, Art, Band, Fashion, Debate, Broadcasting, Theatre</i>	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective / Dance	Physics	Lab	Lunch
Year 4	<i>Choir, Orchestra, Art, Band, Fashion, Debate, Broadcasting, Theatre</i>	English - College Prep	Pathway Elective	*Consumer Education	Pathway Elective	PW Elective / Dance	Pathway Elective	Pathway Elective	Lunch
		English Elective		Pathway Elective					

Pathway Course Information	<i>Choir</i>	Choir Coursework: • Choraliers • Chamber Choir • Advanced Choir
	<i>Orchestra</i>	Orchestra Coursework: • Beginning Strings • Concert Orchestra • Philharmonic Orchestra • Symphonic Orchestra
	<i>Art</i>	The Visual Art sequences start with one of the following courses: • Art Foundations • Digital Photo I • Graphic Design • Ceramics • Adv Studio Art • AP Studio Art • AP 2-D Design • Painting & Drawing • Arts Appreciation • AP 3D Design
	<i>Band</i>	Band Coursework: • Beginning Band • Concert Band • Symphonic Band • Symphonic Wind Ensemble • Jazz Band • Percussion Techniques
	<i>Fashion</i>	Fashion Coursework: • Fashion Design, Construction, and Merchandising • Fashion Construction
	<i>Debate</i>	Debate Coursework: • Introduction to Debate • Debate • Advanced Debate
	Broadcasting	Broadcasting Coursework: • Broadcasting Production • Advanced Broadcasting Production
	<i>Theatre</i>	Theatre Coursework: • Theatre Workshop • Acting • Advanced Theatre Studio • Directing • Play Production
	<i>General Music</i>	General Music Coursework: • Guitar • Electronic Music • Digital Piano • Music Theory • AP Music Theory

Additional Pathway Electives	Select additional pathway courses from above or	Public Speaking - Select one of the following courses:
	<ul style="list-style-type: none"> • Business & Technology • Civil Engineering & Architecture • Entrepreneurship & Business Strategies • Introduction to Computer Science • Introduction to Engineering Design • Journalism • Marketing • Newspaper Production 	<ul style="list-style-type: none"> • Intro to Debate (Meets Soc Studies Requirement) • Theatre Workshop (Meets FAA Requirement) • Broadcasting • Public Speaking (Meets English Requirement)
		Consumer Education - Select one of the following courses:
		• Consumer Education • Business & Tech 1&2 • Work Study
		World Language - Please check with your counselor to determine language requirements.

Careers	Bachelors or Higher Degree				
	<ul style="list-style-type: none"> Performing arts (drama, acting, dance) Animator Computer Programming Advertising / Marketing 	<ul style="list-style-type: none"> Composer Copy Editor Dancer Artist Mass Communication Theatre Educator 	<ul style="list-style-type: none"> Musician Music Teacher Recording Engineer Actor Choreographer Music Therapist 	<ul style="list-style-type: none"> Conductor Music Educator Technical Director Stage & Screen Director Public Relations 	<ul style="list-style-type: none"> Videographer Photographer Sculptor Journalist Theatre Critic Producer
	Associates Degree				
	<ul style="list-style-type: none"> Fashion Design Fashion Merchandising Graphic Arts 	<ul style="list-style-type: none"> Web Design Package Design Business Administration 	<ul style="list-style-type: none"> Hospitality Management International Business Management 	<ul style="list-style-type: none"> Recording Engineer Stage Crew Sound Technician Marketing 	<ul style="list-style-type: none"> Small Business Management Digital Print Production Entrepreneurship
	Industry Credential				
	<ul style="list-style-type: none"> Digital Prepress Fight Choreographer 	<ul style="list-style-type: none"> Fashion/Textiles 	<ul style="list-style-type: none"> Design and Package Design 	<ul style="list-style-type: none"> Rigger 	<ul style="list-style-type: none"> Interior Design: Kitchen and Bath

Postsecondary Majors (College / University)	Consider:		
	<ul style="list-style-type: none"> Art History Audio Engineering Audiovisual Communications Computer Graphics Design and Visual Communications 	<ul style="list-style-type: none"> Computer Graphics Design and Visual Communications Film / Video and Photographic Arts Multimedia Museology / Museums Studies 	<ul style="list-style-type: none"> Sculpture Theater and Performing Arts Photography Documentary Productions

Extra Curricular	Clubs and Activities:			
	<ul style="list-style-type: none"> Internships Job Shadowing Ask the Expert DECA 	<ul style="list-style-type: none"> App Development Club Girls Who Code Art Club Fashion Club 	<ul style="list-style-type: none"> Theatre Productions Music Ensembles 	<ul style="list-style-type: none"> National Art Honor Society. Clay Club Engineering Club Thespian Troupe

Career Data	Resources - Career Information
	<u>Inspire Your Future</u> : Connecting local business professionals with students exploring their career options.
	<u>Career Cruising</u> : Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.
	<u>Naviance</u> : Naviance 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.
	<u>Career One Stop</u> : Sponsored by the U.S. Department of Labor
	<i>For additional information on D219 Career Pathways, please see your counselor, visit the college and career resource center,</i>

Business, Marketing, Management, & Finance

Planning, organizing, directing and evaluating business functions essential to efficient and productive business operations, services for financial and investment planning, banking, insurance, business financial management, managing and performing marketing activities to reach organizational objectives.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	<i>Business & Technology</i>	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
Year 2	<i>Marketing</i>	Sophomore English	Geometry or Algebra 2	Civics	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
	<i>Investing</i>			*Public Speaking					
Year 3	<i>Financial Accounting</i>	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective	Physics	Lab	Lunch
Year 4	<i>Entrepreneurship & Business Strategies</i>	English - College Prep	Pathway Elective	*Consumer Education	Pathway Elective	PW Elective	Pathway Elective	Pathway Elective	Lunch
		English Elective		Pathway Elective					

Pathway Course Information	<i>Business & Technology</i>	Students are introduced to core business education concepts including management, entrepreneurship, marketing, finance and investing. Grade: 9-10 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	<i>Marketing</i>	Students learn and apply fundamental principles and concepts while creating a variety of marketing plans and projects throughout the semester. -Grade: 10-12 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	<i>Investing</i>	Students will take an in-depth look into the areas of wealth building, setting investment goals, accumulate wealth, and achieve financial security. Grade: 10-12 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	<i>Financial Accounting</i>	Students use computerized business simulations and financial plans to integrate various methods of accounting to prepare students to enter a college business / accounting program. Grade: 11-12 - Weight: AP - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	<i>Managerial Accounting</i>	This course presents managerial accounting as a system of producing information for internal use in a business. Grade: 12 - Weight: AP - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	<i>Entrepreneurship & Business Strategies</i>	The course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Grade: 11-12 - Weight: H - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No

Recommended Pathway Electives	<ul style="list-style-type: none"> • AP Computer Science • AP Psychology • Automotive Fundamental • Chefs • Computer Integrated Manufacturing • Economics • Fashion Design, Construction, and Merchandising • Health Careers • Introduction to Engineering Design • Law • Managerial Accounting • Statistics 	Public Speaking - Select one of the following courses:
		<ul style="list-style-type: none"> • Intro to Debate (Meets Soc Studies Requirement) • Theatre Workshop (Meets FAA Requirement) • Broadcasting • Public Speaking (Meets English Requirement)
		Consumer Education - Select one of the following courses:
		<ul style="list-style-type: none"> • Consumer Education • Business & Tech 1&2 • Work Study

See coursebook for additional electives.

World Language - Please check with your counselor to determine language requirements.
• Chinese • French • German • Hebrew • Spanish

Careers

Bachelors or Higher Degree

- Accountant/ CPA
- Actuary
- Entrepreneur/ Business Owner
- Event Planner
- Financial Analyst
- Sports Marketing Account Executive/ Manager
- Investment Banker
- Market Research Analyst
- Project Manager/ Consultant
- Auditor
- Quality Management Professional
- Sales Manager
- Human Resources Director

Associates Degree

- Business Administration
- Accounting Associate
- Business Management
- Human Resource Management
- Supply Chain Management
- Entrepreneurship

Industry Credential

- Project Management Professional (PMP®)
- Certified Marketing Management Professional (CMMP)
- Certified Management Accountant (CMA)
- Certified Financial Planner (CFP)
- Certified Financial Analyst (CFA)
- Information Security Manager (CISM)
- Certified Financial Manager (CFM)
- Certified in Transportation and Logistics (CTL)
- Certified Public Accountant (CPA)
- Accounting Bookkeeper/Clerk

Postsecondary Majors (College / University)

Consider:

- Accounting
- Business Administration
- Finance
- Business Management & Administration
- Marketing / Advertising
- Sports Marketing / Management
- Economics
- Supply Chain Management
- Hospitality Management & Leadership
- International Business

Extra Curricular

Clubs and Activities:

- Internships
- Job Shadowing
- Ask the Expert
- DECA
- Robotics Club
- Student Government
- App Development
- Girls Who Code
- NSERVE Summer Career Exploration

Career Data

Resources - Career Information

Inspire Your Future: Connecting local business professionals with students exploring their career options.

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.

Naviance: Naviance 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.

Career One Stop: Sponsored by the U.S. Department of Labor

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 & Computer Science

Building linkages in IT occupations for entry level, technical and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	<i>AP Computer Science Principles</i>	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
Year 2	<i>AP Computer Science A</i>	Sophomore English	Geometry or Algebra 2	Civics *Public Speaking	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
Year 3	<i>Advanced Development</i>	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective	Physics	Lab	Lunch
Year 4	<i>Engineering Design & Development (EDD-PLTW)</i>	English - College Prep	Pathway Elective	*Consumer Education	Pathway Elective	PW Elective	Pathway Elective	Pathway Elective	Lunch
		English Elective		Pathway Elective					

Pathway Course Information	<i>AP Computer Science Principles / CSP-PLTW</i>	Students will learn fundamental programming concepts, create an interactive web page, develop a device app, and engage problems involving predictions based on computer models. Grade: 9-12 - Weight: AP - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	<i>AP Computer Science A</i>	Students will learn to write software applications and applets using the Java™ language. The course emphasizes the design issues that make programs understandable and adaptable. Grade: 10-12 - Weight: AP - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	<i>Advanced Development</i>	Students will learn to design and program a wide variety of software projects, including physics simulations, computer and mobile video games, statistical modeling, and visualizations with big data and virtual reality programs. Grade: 9-12 - Weight: AP - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Engineering Design & Development (EDD-PLTW)	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. Grade: 12 - Weight: AP - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No

Recommended Pathway Electives	<ul style="list-style-type: none"> Automotive Fundamentals Automotive Systems, Service & Diagnostics Business Technology Civil Engineering & Architecture Computer Integrated Manufacturing Entrepreneurship & Business Strategies Financial Accounting Introduction to Engineering Investing Managerial Accounting Marketing Principles of Engineering 	Public Speaking - Select one of the following courses:
		<ul style="list-style-type: none"> Intro to Debate (Meets Soc Studies Requirement) Theatre Workshop (Meets FAA Requirement) • Broadcasting Public Speaking (Meets English Requirement)
		Consumer Education - Select one of the following courses:
		• Consumer Education • Business & Tech 1&2 • Work Study
		World Language - Please check with your counselor to determine language requirements.
	See coursebook for additional electives.	• Chinese • French • German • Hebrew • Spanish

Careers	Bachelors or Higher Degree			
	• Computer and Information Research Scientist	• Computer Systems Analyst • Computer User Support	• Computer Programmer • Network and Computer Systems or Database Administrator	• Computer Network Architect • Scientist and System Manager
	Associates Degree			
	• Computer Support • Computer Information Systems	• Database Management • Software Development	• Network Administration • Web Application Development	• Web Visual Design • Database Management
	Industry Credential			
	• Cisco CCENT • CIW Web Foundations Associate	• CompTIA Project + • CompTIA IT Fundamentals	• CompTIA Networking+ • CompTIA Security+	• MTA: Database Fundamentals • MTA: Windows Server Administration Fundamentals

Postsecondary Majors (College / University)	Consider:		
	• Architectural Engineering • Building Management • Interior Architecture • Construction Engineering • Computer Science	• Landscape Architecture • Construction Management • Building Constructor • Energy Management • Information Technology	• Mechanical Drafting • Drafting/Design Technology • Architectural Technology • Civil Engineering

Extra Curricular	Clubs and Activities:		
	• Internships • Job Shadowing • Ask the Expert • App Development Club	• Girls Who Code • Robotics Club • Robotics Summer Camp • Auto Competition Club	• Science Olympiad • NSERVE Summer Career Exploration • WYSE • RIOT

Career Data	Resources - Career Information	
	<u>Inspire Your Future:</u> Connecting local business professionals with students exploring their career options.	
	<u>Career Cruising:</u> Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.	
	<u>Naviance:</u> Naviance 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.	
	<u>Career One Stop:</u> Sponsored by the U.S. Department of Labor	
	<i>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.</i>	

Education & Training

Planning, managing, and providing education and training services and related learning support services.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	Business & Technology	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
	Intro to Computer Science								
Year 2	Early Childhood Education Level 1	Sophomore English	Geometry or Algebra 2	Civics	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
				*Public Speaking					
Year 3	Early Childhood Education Level 2	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective	Physics	Lab	Lunch
Year 4	AP Psychology	English - College Prep	Pathway Elective	*Consumer Education	Pathway Elective	PW Elective	Pathway Elective	Pathway Elective	Lunch
		English Elective		Pathway Elective					

Pathway Course Information	Business & Technology	Students are introduced to core business education concepts including management, entrepreneurship, marketing, finance and investing. Grade: 9-10 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Introduction to Computer Science	Designed to be the first computer science course for students who have never programmed before. Students will learn the impact of computing cross career paths. Grade: 9-12 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Early Childhood Education Level 1	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. Grade: 10-12 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Early Childhood Education Level 2	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. Grade: 11-12 - Weight: G - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No- This is wrong
	AP Psychology	Students research, design, and construct a solution to an engineering problem, then present and defend the solution to a panel of outside reviewers. Grade: 9-12 - Weight: AP - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No

Recommended Pathway Electives	<ul style="list-style-type: none"> • Advanced Theatre • AP Computer Science • Anatomy/Physiology • Astronomy • Broadcasting • Chefs • College Prep - Social Justice and Equity • Debate • Entrepreneurship & Business Strategies • Law • Marketing • Music • Newspaper • SIRS • Theatre <p>See coursebook for additional electives.</p>	Public Speaking - Select one of the following courses:
		<ul style="list-style-type: none"> • Intro to Debate (Meets Soc Studies Requirement) • Theatre Workshop (Meets FAA Requirement) • Broadcasting • Public Speaking (Meets English Requirement)
		Consumer Education - Select one of the following courses:
		<ul style="list-style-type: none"> • Consumer Education • Business & Tech 1&2 • Work Study
		World Language - Please check with your counselor to determine language requirements.
		<ul style="list-style-type: none"> • Chinese • French • German • Hebrew • Spanish

Careers	<i>Bachelors or Higher Degree</i>			
	• Administrator • Education Administration • Clinical Psychologist	• Curriculum Developer • Teacher • Librarian	• Special Education Teacher • Principal • School Counselor	• Speech Language Pathologist • Teacher of The Blind • University Professor
	<i>Associates Degree</i>			
	• Child Care Assistant	• Preschool Teacher	• Library Technician	• Teacher Assistant
	<i>Industry Credential</i>			
	• L Gateways Daycare certificate	• Microsoft Office Certifications	• Adobe Certifications	• CDL License

Postsecondary Majors (College / University)	<i>Consider:</i>		
	• Early Childhood Education	• Library Science	• School Administration
	• Special Education	• Multicultural/ ESL Education	• School Counseling
	• Sports and Fitness Management	• Clinical Psychologist	

Extra Curricular	<i>Clubs and Activities:</i>		
	• Internships • Job Shadowing • Ask the Expert • C.E.C Club	• FCCLA • DECA • Student Government • Speech Team	• Debate • Theatre • Dance Marathon

Career Data	<i>Resources - Career Information</i>			
	<u>Inspire Your Future:</u> Connecting local business professionals with students exploring their career options.			
	<u>Career Cruising:</u> Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.			
	<u>Naviance:</u> Naviance 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.			
	<u>Career One Stop:</u> Sponsored by the U.S. Department of Labor			
	<i>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.</i>			

Manufacturing & Engineering Technology

Planning, managing, and performing the processing of materials into intermediate or final products, which includes related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	<i>Introduction to Engineering Design (IED-PLTW)</i>	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
Year 2	<i>Principles of Engineering (POE-PLTW)</i>	Sophomore English	Geometry or Algebra 2	Civics	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
				*Public Speaking					
Year 3	<i>Computer Integrated Manufacturing (CIM- PLTW)</i>	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective	Physics	Lab	Lunch
Year 4	CNC Programming & Machining Technology	English - College Prep	Pathway Elective	*Consumer Education	Pathway Elective	PW Elective	Pathway Elective	Pathway Elective	Lunch
	Welding & Metal Fabrication	English Elective		Pathway Elective					

Pathway Course Information	Introduction to Engineering Design IED-PLTW	Students dig deep into the design process, applying math, science, and engineering principles to identify, design, and prototype solutions. Grade: 9-12 - Weight: AP - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Principles of Engineering POE-PLTW	Students develop problem-solving skills by tackling real-world engineering problems through theory and practical hands-on experiences Grade: 9-12 - Weight: AP - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Computer Integrated Manufacturing (CIM- PLTW)	Students learn various aspects of civil engineering and architecture and apply their learning to the design and development of a local property site. Grade: 9-12 - Weight: AP - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	CNC Programming & Machining Technology	Students will work towards industry standard certifications in the area of precision machining and manufacturing technology. Grade: 9-12 - Weight: G - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Welding & Metal Fabrication	This course introduces students to the basic skills / procedures needed for Industry Certificates in Welding. Grade: 9-12 - Weight: G - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes - Prerequisite: No

Recommended Pathway Electives	<ul style="list-style-type: none"> • AP Calculus • AP Computer Science Principles • AP Economics • AP Government • AP Physics • AP Statistics • Art • Automotive Fundamental • Civil Engineering & Architecture • Digital Electronics • Entrepreneurship & Business Strategies • Fashion • Intro to Computer Science • Investing • Marketing • Theatre Workshop See coursebook for additional electives.	
	Public Speaking - Select one of the following courses:	
	<ul style="list-style-type: none"> • Intro to Debate (Meets Soc Studies Requirement) • Theatre Workshop (Meets FAA Requirement) • Broadcasting • Public Speaking (Meets English Requirement) 	
	Consumer Education - Select one of the following courses:	
	<ul style="list-style-type: none"> • Consumer Education • Business & Tech 1&2 • Work Study 	
	World Language - Please check with your counselor to determine language requirements. <ul style="list-style-type: none"> • Chinese • French • German • Hebrew • Spanish 	

Careers	<i>Bachelors or Higher Degree</i>			
	• CNC Programmer	• Engineer	• Mechanical Engineer	• Welder
	• CNC Operator	• Electrical Engineering	• Industrial Engineer	• Musical Instrument Designer
	• Quality Control	• Machinist	• Tool and Die Maker	• Design Engineer
	<i>Associates Degree</i>			
	• Manufacturing Technology	• Industrial Manufacturing	• Advanced Manufacturing	
	<i>Industry Credential</i>			
	• National Institute of Metalworking Skills	• Society of Manufacturing Engineers (SME)	• American Welding Society (AWS) Offered at Harper College	• Electronics Technician
	• National Institute of Metalworking Skills	• Technology and Manufacturing Aligned (TMA)	• Electronics Technician	• Industrial Technician

Postsecondary Majors (College / University)	<i>Consider:</i>			
	• Engineering	• Nuclear/ Nuclear Power Technology	• Laser and Optical Technology	
	• Engineering Technology	• Computer Engineering Technology	• Manufacturing Engineering	
	• Machine Tool Technology	• Occupational Safety and Health Technology	• Mechanical Engineering	
	• Tool & Die Technology	• Plastics and Polymer Engineering	• Metallurgical Engineering	
	• Industrial Production Technician	• Industrial Technology	• Robotics Technology	
	• Manufacturing Production			

Extra Curricular	<i>Clubs and Activities:</i>			
	• Internships	• DECA	• App Development Club	• Science Olympiad
	• Job Shadowing	• Robotics Summer Camp	• Girls Who Code	
	• Ask the Expert	• Auto Competition Club	• NSERVE Summer Career Exploration	
	• Robotics Club	• WYSE		

Career Data	<i>Resources - Career Information</i>			
	<u>Inspire Your Future:</u> Connecting local business professionals with students exploring their career options.			
	<u>Career Cruising:</u> Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.			
	<u>Naviance:</u> Naviance 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.			
	<u>Career One Stop:</u> Sponsored by the U.S. Department of Labor			
	<i>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.</i>			

Government, Human Services, and Law

Planning, managing and providing legal, public safety, protective services and homeland security, families and human needs such as counseling and mental health services, family and community services, personal care and consumer services. Planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation and regulations.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	<i>Business & Technology</i>	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
	<i>Intro to Computer Science</i>								
Year 2	<i>AP Psychology</i>	Sophomore English	Geometry or Algebra 2	Civics	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
				*Public Speaking					
Year 3	<i>Law / Sociology</i>	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective	Physics	Lab	Lunch
Year 4	<i>AP Government and Politics</i>	English - College Prep	Pathway Elective	*Consumer Education	Pathway Elective	PW Elective	Pathway Elective	Pathway Elective	Lunch
		English Elective		Pathway Elective					

Pathway Course Information	Business & Technology	Students are introduced to core business education concepts including management, entrepreneurship, marketing, finance and investing. Grade: 9-10 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Introduction to Computer Science	Designed to be the first computer science course for students who have never programmed before. Students will learn the impact of computing cross career paths. Grade: 9-12 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	AP Psychology	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. Grade: 10-12 - Weight: AP - Dual Credit: No - NCAA: ? - Grad Requirement: Yes - Prerequisite: World History
	Law	This course is designed to offer insight into the American criminal and justice systems. Grade: 10-12 - Weight: General - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: World History
	Sociology	This course also includes a study of selected social problems such as prejudice and discrimination, crime and poverty. Grade: 10-12 - Weight: General - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: World History
	AP Government and Politics	The course aims to illustrate the rich diversity of political life, to show available institutional alternatives to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Grade: 10-12 - Weight: AP - Dual Credit: Yes - NCAA: No - Grad Requirement: Yes (- Prerequisite: Teacher Recommendation

Recommended Pathway Electives	<ul style="list-style-type: none"> • AP Computer Science • Broadcasting • Civil Engineering and Arch. • ECE Level 1 and 2 • Economics • Entrepreneurship & Business Strategies • Financial Accounting • Health Careers • Investing • Newspaper • Statistics <p>See coursebook for additional electives.</p>	Public Speaking - Select one of the following courses:
		<ul style="list-style-type: none"> • Intro to Debate (Meets Soc Studies Requirement) • Theatre Workshop (Meets FAA Requirement) • Broadcasting • Public Speaking (Meets English Requirement)
		Consumer Education - Select one of the following courses:
		<ul style="list-style-type: none"> • Consumer Education • Business & Tech 1&2 • Work Study
		World Language - Please check with your counselor to determine language requirements. <ul style="list-style-type: none"> • Chinese • French • German • Hebrew • Spanish

Careers	Bachelors or Higher Degree			
	• Substance Abuse Counselor • Caseworker	• Dietitian • Music Therapist • Social Worker	• Counselor • Psychologist • Art Therapist	• Clergy • Vocational Counselor • Lawyer
	Associates Degree			
	• Child Care Assistant • Community Service Director	• Cosmetology • Early Childhood Center • ParaLegal	• Firefighter • Law Enforcement Officer	• Massage Therapist • Personal Fitness Trainer
	Industry Credential			
	• Paralegal Studies Certificate	• Certified Corrections Officer • CPR Certification	• EMT Certification • Paramedic Certificate	• OSHA Certification

Postsecondary Majors (College / University)	Consider:		
	• Audiology & Speech Pathology • Bioethics/ Medical Ethics • Child Development • Child Clinical Psychology	• Clinical Psychology • Clinical/ Medical Social work • Forensics Psychology • Occupational Therapy	• Psychology • Philosophy • Sociology • Political Science

Extra Curricular	Clubs and Activities:		
	• Internships • Job Shadowing • Ask the Expert	• Student Government • Dance Marathon • DECA • Speech Team	• Volunteer • NSERVE Summer Career Exploration • Mock Trial • Model UN

Career Data	Resources - Career Information			
	<u>Inspire Your Future:</u> Connecting local business professionals with students exploring their career options.			
	<u>Career Cruising:</u> Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.			
	<u>Naviance:</u> Naviance 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.			
	<u>Career One Stop:</u> Sponsored by the U.S. Department of Labor			
	<i>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.</i>			

Health Science

Planning, managing and providing therapeutic services, diagnostic services, health informatics, support services and biotechnology research and development.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	<i>Business & Technology</i>	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
	<i>Intro to Computer Science</i>								
Year 2	<i>AP Psychology</i>	Sophomore English	Geometry or Algebra 2	Civics	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
				*Public Speaking					
Year 3	<i>Health Careers/ Medical Terminology</i>	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective	Physics	Lab	Lunch
Year 4	<i>Anatomy & Physiology</i>	English - College Prep	Pathway Elective	*Consumer Education	Pathway Elective	PW Elective	AP Biology or Pathway Elective	AP Biology Lab or Pathway Elective	Lunch
		English Elective		Pathway Elective					

Pathway Course Information	Business & Technology	Students are introduced to core business education concepts including management, entrepreneurship, marketing, finance and investing. Grade: 9-10 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Introduction to Computer Science	Designed to be the first computer science course for students who have never programmed before. Students will learn the impact of computing cross career paths. Grade: 9-12 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	AP Psychology	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. Grade: 10-12 - Weight: AP - Dual Credit: No - NCAA: ? - Grad Requirement: Yes - Prerequisite: World History
	Health Careers/ Medical Terminology	This non-lab based science course presents medical terminology through study of medical word roots, prefixes and suffixes.
	Anatomy & Physiology	Lab-based course designed for students seeking a more detailed explanation of the structures and functions of the human body.

Recommended Pathway Electives	<ul style="list-style-type: none"> • Advance App Development • AP Computer Science Principles • AP Economics • AP Government • Art • Chefs • ECE Level 1 • Entrepreneurship & Business Strategies • Financial Accounting • Introduction to Engineering Design • Statistics or AP Statistics • Theatre Workshop 	Public Speaking - Select one of the following courses:
	See coursebook for additional electives.	<ul style="list-style-type: none"> • Intro to Debate (Meets Soc Studies Requirement) • Theatre Workshop (Meets FAA Requirement) • Broadcasting • Public Speaking (Meets English Requirement)
		Consumer Education - Select one of the following courses:
		• Consumer Education • Business & Tech 1&2 • Work Study
		World Language - Please check with your counselor to determine language requirements. • Chinese • French • German • Hebrew • Spanish

Careers	<i>Bachelors or Higher Degree</i>
	<ul style="list-style-type: none"> • Dentist/ Dental Technician • Dietitian and Nutritionist • Psychologist • Nurse • Occupational Therapist • Pharmacist/ Pharmacy Technician • Optometrist • Therapist • Emergency Medical • Paramedic • Physician/ Doctor Surgeon
	<i>Associates Degree</i>
	<ul style="list-style-type: none"> • Dental Hygiene • Diagnostic Cardiac Sonography • Diagnostic Medical Sonography • Emergency Medical Services • Radiologic Technology • Dietetic Technician • Health Information Technology • Nursing
	<i>Industry Credential</i>
	<ul style="list-style-type: none"> • Cardiographic Technician • Community Health • Emergency Medical Technician (EMT) • Emergency Medical Services • Health Information Technology • Dietary Manager • Radiologic Technology • Practical Nursing (LPN) • Pharmacy Technician

Postsecondary Majors (College / University)	<i>Consider:</i>
	<ul style="list-style-type: none"> • Biotechnology • Community Health and Preventive Medicine • Dentistry • Medicine • Nursing • Pharmacy

Extra Curricular	<i>Clubs and Activities:</i>
	<ul style="list-style-type: none"> • Internships • Job Shadowing • Ask the Expert • HOSA • Robotics Club • RIOT • WYSE • DECA • Volunteer • NSERVE Summer Career Exploration • Chemistry Club

Career Data	<i>Resources - Career Information</i>
	<u>Inspire Your Future:</u> Connecting local business professionals with students exploring their career options.
	<u>Career Cruising:</u> Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.
	<u>Naviance:</u> Naviance 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.
	<u>Career One Stop:</u> Sponsored by the U.S. Department of Labor <i>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.</i>

Hospitality, Food, Agriculture, and Natural Resources

Management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel-related services The production, processing, marketing, distribution, financing and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture and other plant and animal products/resources.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	<i>Business & Technology</i>	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
	<i>Intro to Computer Science</i>								
Year 2	<i>Chefs & Gourmet Foods</i>	Sophomore English	Geometry or Algebra 2	Civics	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
				*Public Speaking					
Year 3	<i>Commercial Foods</i>	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective	Physics	Lab	Lunch
Year 4	<i>Entrepreneurship & Business Strategies</i>	English - College Prep	Pathway Elective	*Consumer Education	Pathway Elective	PW Elective	APES or Pathway Elective	APES Lab or Pathway Elective	Lunch
		English Elective		Pathway Elective					

Pathway Course Information	Business & Technology	Students are introduced to core business education concepts including management, entrepreneurship, marketing, finance and investing. Grade: 9-10 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Introduction to Computer Science	Designed to be the first computer science course for students who have never programmed before. Students will learn the impact of computing cross career paths. Grade: 9-12 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	<i>Chefs</i>	This course is a combination of lab and classroom experiences that introduces students to food preparation. Students will begin to develop culinary skills including scaling, basic knife and equipment skills, and proper safety and sanitation in a kitchen. Grade: 9-10 - Weight: G - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	<i>Commercial Foods</i>	Commercial Food Workshop helps students attain knowledge and develop skills for the food service industry
	<i>Entrepreneurship & Business Strategies</i>	The course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Grade: 11-12 - Weight: H - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No

Recommended Pathway Electives	<ul style="list-style-type: none"> • AP Environmental Science • Art Foundations • Broadcasting • Financial Accounting • Introduction to Computer Science • Marketing • SIRS <p>See coursebook for additional electives.</p>	Public Speaking - Select one of the following courses:
		<ul style="list-style-type: none"> • Intro to Debate (Meets Soc Studies Requirement) • Theatre Workshop (Meets FAA Requirement) • Broadcasting • Public Speaking (Meets English Requirement)
		Consumer Education - Select one of the following courses:
		• Consumer Education • Business & Tech 1&2 • Work Study
		World Language - Competitive colleges and universities require two (2) years of language.
		• Chinese • French • German • Hebrew • Spanish

Careers	Bachelors or Higher Degree			
	• Baker • Chef and Head Cook	• Ecologist • Environmental Engineer	• Plant Pathologist • Toxicologist • USDA Inspector	• Food Service Manager • Zoologist
	Associates Degree			
	• Hospitality Management	• Dietetic Technician	• Hotel Management	• Conservation Worker
	Industry Credential			
	• Certified Executive Chef • Certified Human Resources Executive • Certified Engineering Operations Executive	• Certified Event Planner • Certified Food Service Management Professional	• Certified Hospitality Accountant Executive • Certified Lodging Security Director (CLSD)	• ServSafe Employee & Customer Safety Certification • Certified Decorator

Postsecondary Majors (College / University)	Consider:			
	• Baking and Pastry Arts / Baker / Pastry • Cooking and Related Culinary Arts / Chef • Restaurant/ Foods Service Management	• Agricultural Animal Breeding • Biotechnology	• Training • Agricultural Domestic Services	

Extra Curricular	Clubs and Activities:			
	• Internships • Job Shadowing • Ask the Expert • RIOT	• Culinary Club • DECA Club • WYSE • SIRS	• NSERVE Summer Career Exploration • Engineering Club • NARWHALS	• Ecology Club • Science Olympiad • Green Thumb • Chemistry Club

Career Data	Resources - Career Information			
	<u>Inspire Your Future:</u> Connecting local business professionals with students exploring their career options.			
	<u>Career Cruising:</u> Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.			
	<u>Naviance:</u> Naviance 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.			
	<u>Career One Stop:</u> Sponsored by the U.S. Department of Labor			
	<i>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.</i>			

STEM

Planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services and research and development services.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	Engineering / Technology STEM Elective	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
Year 2	Engineering / Technology STEM Elective	Sophomore English	Geometry or Algebra 2	Civics	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
				*Public Speaking					
Year 3	STEM Elective	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective / Dance	Physics	Lab	Lunch
Year 4	STEM Elective	English - College Prep	STEM Elective	*Consumer Education	Pathway Elective	PW Elective / Dance	STEM Elective	STEM Elective	Lunch
		English Elective		Pathway Elective					

Pathway Course Information	Engineering	Coursework: • Introduction to Engineering Design • Principles of Engineering • Civil Engineering & Architecture • Digital Electronics • Computer Integrated Manufacturing
	Computer Science	Coursework: • Intro to CS • AP Computer Science Principles • AP Computer Science A • Advanced App Development
	Science	Coursework: • Anatomy and Physiology • Astronomy and Modern Physics • AP Environmental Science • AP Biology • AP Chemistry • AP Physics • Health Careers / Medical Terminology
	Math	Coursework: • AP Statistics • AP Calculus AB • AP Calculus BC • Post-Calculus Topics-Linear Algebra
	Research	Coursework: • STEM Inquiry & Research • Math Modeling • Engineering Design & Development

Additional Pathway Electives	Select additional courses from above or		Public Speaking - Select one of the following courses:	
	<ul style="list-style-type: none"> Automotive Fundamentals CNC Programming & Machining Technology Entrepreneurship & Business Strategies Financial Accounting Welding & Metal Fabrication <p>See coursebook for additional electives.</p>		<ul style="list-style-type: none"> Intro to Debate (Meets Soc Studies Requirement) • Theatre Workshop (Meets FAA Requirement) Broadcasting • Public Speaking (Meets English Requirement) 	
			Consumer Education - Select one of the following courses:	
			<ul style="list-style-type: none"> Consumer Education • Business & Tech 1&2 • Work Study 	
			World Language - Please check with your counselor to determine language requirements.	
			<ul style="list-style-type: none"> Chinese • French • German • Hebrew • Spanish 	

Careers	<i>Bachelors or Higher Degree</i>				
	• Analytical Chemist • Aeronautical Engineer • Aerospace Engineer • Anthropologist • Astronomer • Science Teacher • Archeologist	• Automotive Engineer • Archeologist • Chemical Engineer • Computer Engineer • Math Teacher • Nano Scientist	• Industrial Engineer • Geologist • Marine Engineer • Nuclear Engineer • Environmental Scientist • Programmer	• Petroleum Engineer • Physicist • Solar Engineer • Marine Scientist • Statistician • Zoologist	• Biologist • Botanist • Chemist • Ecologist • Quality-Control Scientist
	<i>Associates Degree</i>				
	• See "Industry Certificates"				
	<i>Industry Credential</i>				
	• Chemical Technician • Biological Technician • Civil Technician	• Electronics Technician • Environmental Technician	• Industrial Technician • Mathematical Technician	• Mechanical Technician • Nano Technician • Petroleum Technician	• Veterinary Technician • Research Technician • Fire Science

Postsecondary Majors (College / University)	<i>Consider:</i>		
	• Applied Economics • Applied Mathematics • Astronomy • Manufacturing Engineer • Biological/Biosystems Engineering • Geology/Earth Science • Petroleum Engineering	• Engineering • Environmental Engineer • Electrical Engineer • Laser and Optical Engineer • Informatics • Management Science • Aerospace, Aeronautical and	• Astrophysics • Chemistry • Ecology • Information Technology • Mining and Mineral Engineering • Computer Science • Astronautical/Space Engineering

Extra Curricular	<i>Clubs and Activities:</i>			
	• Internships • Job Shadowing • Ask the Expert • RIOT • App Development Club	• DECA • WYSE • SIRS • Astronomy Club • Girls Who Code	• NSERVE Summer Career Exploration • Engineering Club • NARWHALS • Chemistry Club • Auto Club	• Ecology Club • Science Olympiad • Green Thumbs • HOSA

Career Data	<i>Resources - Career Information</i>			
	<u>Inspire Your Future:</u> Connecting local business professionals with students exploring their career options.			
	<u>Career Cruising:</u> Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.			
	<u>Naviance:</u> Naviance 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.			
	<u>Career One Stop:</u> Sponsored by the U.S. Department of Labor			
	<i>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.</i>			

Transportation, Distribution, and Logistics

Planning, management and movement of people, materials and goods by road, pipeline, air, rail and water and related professional and technical support services, such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

4 Year Planning Guide

	Pathway Coursework	English	Math	Social Studies	World Language	Physical Welfare	Science		Lunch
Year 1	<i>AP Computer Science Principles or Introduction to Engineering Design</i>	Freshman English	Algebra or Geometry	World History	World Language Elective	Freshman PE	Biology	Lab	Lunch
Year 2	<i>Auto Fundamental</i>	Sophomore English	Geometry or Algebra 2	Civics *Public Speaking	World Language Elective	Sophomore PE / Health	Chemistry	Lab	Lunch
Year 3	<i>Auto System Service Diagnostics A</i>	Junior English	Algebra 2 or PreCalculus	US History	Pathway Elective	PW Elective	Physics	Lab	Lunch
Year 4	<i>Auto System Service Diagnostics B</i>	English - College Prep English Elective	Pathway Elective	*Consumer Education Pathway Elective	Pathway Elective	PW Elective	Pathway Elective	Pathway Elective	Lunch

Pathway Course Information	AP Computer Science Principles or Introduction to Engineering Design	Students will learn fundamental programming concepts, create an interactive web page, develop a device app, and engage problems involving predictions based on computer models. Grade: 9-12 - Weight: AP - Dual Credit: No - NCAA: No - Grad Requirement: Yes - Prerequisite: No
	Auto Fundamental	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.
	Auto System Service Diagnostics A	This repeatable lab course is a continuation of and builds on the skills and concepts introduced in Automotive Fundamentals.
	Auto System Service Diagnostics B	This repeatable lab course is a continuation of and builds on the skills and concepts introduced in Automotive Fundamentals.

Recommended Pathway Electives	<ul style="list-style-type: none"> • AP Computer Science • AP Physics • Auto Collision & Repair • Civil Engineering Design • CNC Programming & Machining Technology • Computer Integrated Manufacturing • Entrepreneurship & Business Strategies • Financial Accounting • Investing • Managerial Accounting • Marketing • Principles of Engineering • Statistics • Welding & Metal Fabrication <p>See coursebook for additional electives.</p>	Public Speaking - Select one of the following courses: <ul style="list-style-type: none"> • Intro to Debate (Meets Soc Studies Requirement) • Theatre Workshop (Meets FAA Requirement) • Broadcasting • Public Speaking (Meets English Requirement)
		Consumer Education - Select one of the following courses: <ul style="list-style-type: none"> • Consumer Education • Business & Tech 1&2 • Work Study
		World Language - Please check with your counselor to determine language requirements.
		<ul style="list-style-type: none"> • Chinese • French • German • Hebrew • Spanish

Careers	Bachelors or Higher Degree			
	• Aircraft Maintenance Technician • Mechanic	• Engine Specialist • Engine and other Assembler	• Bus and Truck Mechanics and Diesel	• Installation, Maintenance and Repair worker
	Associates Degree			
	• Air Traffic Controller • Aircraft Mechanic	• Auto Body Repair • Auto Salesperson	• Civil Engineer tech • Avionics Tech	• Helicopter Pilot • Customs Broker
	Industry Credential			
	• Inventory control / production control	• Purchasing • Supply chain management	• Transportation management	• Physical distribution management

Postsecondary Majors (College / University)	Consider:		
	• Architectural Engineering • Building Management • Interior Architecture • Drafting/Design Technology	• Landscape Architecture • Construction Management Building Constructor • Energy Management	• Construction Engineering • Architectural Technology • Civil Engineering • Mechanical Drafting



Extra Curricular	Clubs and Activities:		
	• Internships • Job Shadowing • Ask the Expert	• Auto Club • Auto Competition Club • Robotics Club	• DECA • NSERVE Summer Career Exploration

Career Data	Resources - Career Information			
	<u>Inspire Your Future:</u> Connecting local business professionals with students exploring their career options.			
	<u>Career Cruising:</u> Career Cruising is a self-exploration and planning program that helps people of all ages achieve their potential in school, career and life.			
	<u>Naviance:</u> Naviance 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.			
	<u>Career One Stop:</u> Sponsored by the U.S. Department of Labor			
	<i>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.</i>			

D219 Academics Coursework by Department

Applied Technology (Link)	Fine Arts: Theatre (Link)
Business Education (Link)	Fine Visual Arts (Link)
Computer Science / Information Technology (Link)	Mathematics (Link)
ELL - English Language Learners (Link)	Physical Welfare (Link)
Engineering & Engineering Technology (Link)	Science (Link)
English (Link)	Social Studies (Link)
Family & Consumer Sciences (Link)	Special Education (Link)
Fine Arts: Music (Link)	World Languages (Link)

Additional Resources

<ul style="list-style-type: none"> • D219 Graduation Requirements (Link) • General Guide to Requirements for College Entrance (Link) • Grading (Link) • Board Policies (Link) • Student Handbook (Link) • D219 Summer School (Link) 	
<p>Niles North High School</p> <ul style="list-style-type: none"> • Niles North Student Services • Niles North - The Point • College Career Center <p>Student Activities</p> <ul style="list-style-type: none"> • Niles North Student Activities <p>Athletics</p> <ul style="list-style-type: none"> • Niles North Athletics 	<p>Niles West High School</p> <ul style="list-style-type: none"> • Niles West Student Services • Niles West - Literacy Center • College Career Center <p>Student Activities</p> <ul style="list-style-type: none"> • Niles West Student Activities <p>Athletics</p> <ul style="list-style-type: none"> • Niles West Athletics 

General Guide to Requirements for College Entrance

Academic Areas	D219 Graduation 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*	2 to 4 Years
Vocational Education or Fine Arts (Fine & Practical Arts Requirement)	1 Year	none	2 Years* Engineering Technology, Art, Business Education, Family & Consumer Sciences, Music, or Theatre	1 Year Recommended

Additional District 219 requirements include: one semester each of Health, Consumer Education, Public Speaking, and 4 full years of Physical Education.

* 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.

The chart above compares the academic expectations of various post-high school opportunities available to graduates. It is intended only as a general guide. Highly selective institutions require greater numbers of these core academics.

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 academic 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, require the ACT or SAT as part of the admissions process.

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).

D219 Graduation Requirements

	1	2	3	4	5	6	7	8	9
Year 1		Freshman English	Algebra or Geometry	Modern World History		Freshman PE	Biology	Science Lab	Lunch
Year 2		Sophomore English	Geometry or Algebra 2	Civics		Sophomore PE / Health	Chemistry	Science Lab	Lunch
Year 3		Junior English	Algebra 2 or PreCalculus	US History		PW Elective	Physics	Science Lab	Lunch
Year 4		English - College Prep				PW Elective			Lunch
		English Elective							

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 receives 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 - 8 Credits - 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).

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.

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, or Introduction to Debate.

** Intro to Debate meets the Social Studies elective and Public Speaking requirement.*

*** Theatre workshop meets a Fine Arts elective and Public Speaking requirement.*

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.

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.

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

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

Electives - 7 Credits - Additional credits not used to satisfy the above requirements. This includes Public Speaking and Consumer Ed.

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

Selected District 219 Board Policies

- Athletic and Extracurricular Eligibility ([Policy 6:190-AP1](#))
- Audit ([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](#))
- [Student Handbook](#)

BUSINESS EDUCATION

Business & Technology 1 BUSB09

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

Business & Technology 2 BUSB10

Credit:	1 -General Ed	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 - General Ed	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.
Grades:	10-12	Students will create a variety of marketing plans and projects throughout the semester.
Prerequisite:	None	

Investing and Finance BUSI03

Credit:	1 - General Ed	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 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 - AP	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:	Algebra 12-22 or Teacher Approval	

Managerial College Accounting BUYA07 (AP)

Credit:	2 - AP	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	

Entrepreneurship & Business Strategies BUYB11 (Honors)

Credit:	2 - Honors	The course is designed to get students excited about becoming true entrepreneurs by giving them 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.
Grades:	11-12	
Prerequisite:	None	

Consumer Education BUSC01

Credit:	1 - General Ed	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.
Grades:	10-12	
Prerequisite:	None	

Work Study CVYC01, CVYC21

Credit:	2-4 - General Ed	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>
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 ITC03 (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	

AP Computer Science A ITC05 (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. Students will optimize the computer environment and troubleshoot various problems. The course prepares the students for the Comp TIA A+ exam.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	None	

SUMMER ONLY

ELL

Introduction to ELL 1 ENYX00, ESYX00

<i>Credit:</i>	<i>8 - General Ed</i>	Intro to ELL 1 is a beginning course for English learners with no English proficiency. Emphasis is on basic literacy skills and communication in speaking, listening, reading and writing English. Vocabulary development, sentence structure, decoding (phonics), comprehension, spelling and critical thinking skills will be emphasized. Time will also be devoted to understanding the American school day and the student's responsibilities in the system. Classes meet for four periods a day.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Placement</i>	

ELL 1 ENYX01, ESYX01

<i>Credit:</i>	<i>4 - General Ed</i>	English Language Learners 1 is the beginning course offered to non-native speakers with no English proficiency or limited English proficiency. Emphasis is placed on basic communication skills. Classes meet for two periods a day.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Placement</i>	

ELL Reading 1 RDYX01

<i>Credit:</i>	<i>2 - General Ed</i>	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>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Placement</i>	

ELL 2 ENYX02, ESYX02

<i>Credit:</i>	<i>4 - General Ed</i>	English Language Learners 2 is an intermediate course offered to non-native speakers who have some 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. Classes meet for two periods a day.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Placement</i>	

ELL Reading 2 RDYX03

<i>Credit:</i>	<i>2 - General Ed</i>	The focus of ELL 2 Reading 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. Students analyze and discuss literature by applying literary terms to different genres of literature, including short stories, plays, novels, and poetry.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Placement</i>	

ELL 3 ENYX03, ESYX03

Credit: 4 - General Ed English Language Learners 3 is the advanced course offered to non-native speakers who have previously studied English. Emphasis is placed on essay writing and analysis of short stories and novels.

Grades: 9-12

Prerequisite: Placement

**Additional ELL courses listed in core areas*

ENGLISH & READING

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

<i>Credit:</i>	4 - General Ed	This course emphasizes the same skills as English 12-22, and includes additional support for students who experience difficulty with reading, writing, vocabulary, spelling, and grammar. In first semester, students study short stories, mythology, and selected stories from the Bible. In second semester, students study a Shakespearean drama, in addition to more short stories and novels. Throughout the year, students are introduced to literary terminology and are encouraged to read for enjoyment and appreciation. Emphasis in class is placed on becoming an active reader and developing critical reading strategies to improve comprehension and vocabulary.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	Placement recommendation	

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

<i>Credit:</i>	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>Grades:</i>	9	
<i>Prerequisite:</i>	Placement recommendation	

Freshman English 11-21 ENYF01 (Honors)

<i>Credit:</i>	2 - Honors	This course begins with required summer reading, and then focuses on the development of sophisticated thinking, writing and reading skills, vocabulary, and use of English conventions. Each semester, literature instruction is based on the integrated discussion of 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 selected outside reading. Students are expected to exhibit strong writing skills and will participate in a variety of culturally enriching activities throughout the year.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	Placement Recommendation	

SOPHOMORE PROGRAM

Sophomore English 32-42 ENYS03 or EN1X29 & EN2X29

<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 12-22 or an "A" in F19 or an "A" on the common final exam	

Integrated Reading 3-4 RDYR39

<i>Credit:</i>	2 - General Ed	This course builds on the curriculum of Reading 1-2 to strengthen students' reading skills. 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.
<i>Grades:</i>	10	
<i>Prerequisite:</i>	Freshman English 12-22 with Reading 1-2 (F19)F19	

Sophomore English 31-41 ENYS01 (Honors)

Credit: 2 - Honors

Grades: 10

Prerequisite: Freshman English 11-21 or an "A" in Freshman English 12-22 or an "A" on the common final exam or teacher recommendation

This course requires an in-depth analysis of works of literature and extensive work in composition. It is assumed that students recommended for this course have already demonstrated a command of paragraphs and usage. This year-long course includes a study of non-fiction, the novel, poetry, and Shakespearean and modern drama.

JUNIOR PROGRAM

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

Credit: 2 - General Ed

Grades: 11

Prerequisite: Sophomore English 32-42

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.

American Literature and Composition ENYJ15 (Honors)

Credit: 2 - Honors

Grades: 11

Prerequisite: Sophomore English or an "A" in Sophomore English 32-42 or teacher recommendation

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.

Great American Writers ENYJ01 (AP)

Credit: 2 - AP

Grades: 11

Prerequisite: Sophomore Honors English or Sophomore English 32-4 and teacher recommendation

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.

SENIOR PROGRAM

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

Credit: 1- General Ed / Honors

Grades: 12

Prerequisite: None

This course investigates the concept of evil and ethics in various literary forms from Marlowe to Clarke. 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.

College Prep - Literature of Peace and Non-Violence

ENSC20 or ENSC21 (Honors)

<i>Credit:</i>	1- General Ed / Honors	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.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	None	

College Prep - Literature of Sports & American Culture

ENSC30 or ENSC31 (Honors)

<i>Credit:</i>	1- General Ed / Honors	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.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	None	

College Prep - Social Justice and Equity

ENSC40 or ENSC41 (Honors) or ENSX40 (ELL)

<i>Credit:</i>	1 - General Ed / Honors	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>	12	
<i>Prerequisite:</i>	None	

College Prep - Women and Gender Studies in Literature

ENSC50 or ENSC51 (Honors)

<i>Credit:</i>	1 - General Ed / Honors	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.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	None	

College Prep - World Literature

ENSC60 or ENSC61 (Honors)

<i>Credit:</i>	1 - General Ed / Honors	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.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	None	

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
<i>Grades:</i>	12	
<i>Prerequisite:</i>	AP Great	

American Writers, or an “A” in American Literature and Composition (Honors), or teacher recommendation

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.\

Creative Writing

ENSG06 or ENSG16 (Honors)

Credit: 1 - General Ed / Honors
Grades: 12

Prerequisite: None

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.

Bible and Mythology

ENSL94 or ENSL04 (Honors)

Credit: 1 - General Ed / Honors
Grades: 11- 12

Prerequisite: None

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.

Images of Literature

ENSC07 or ENSC17 (Honors)

Credit: 1 - General Ed / Honors
Grades: 11 - 12

Prerequisite: None

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.

English Composition & Rhetoric

ENSG08 or ENSG18 (Honors)

Credit: 1 - General Ed / Honors
Grades: 11- 12

Prerequisite: None

This course is open to all sophomores, juniors and seniors 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 or ENSC23 (Honors)

Credit: 1 - General Ed / Honors
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.

Journalism ENSG03 or ENSG13 (Honors)

Credit: 1 - General Ed / Honors

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.

Additional English Electives

The following electives may not be used to meet the English requirements for graduation but will count as a General Ed elective credit. Grades earned in these five courses will be included in the weighted grade point average if their inclusion improves the weighted grade point average.

Newspaper Production EN1G14 EN2G14 or EN1G24 EN2G24 (Honors)

Credit: 2 - Honors

Grades: 9-12

Prerequisite: Journalism

Non-English Credit Course

In this course, students produce the online and/or print student newspapers, Niles West News and North Star. Students report, write, and edit news, features, sports, reviews and opinion pieces. They also learn how to run an online newspaper that is updated daily, including managing photo galleries, videos, polls, notices, and reader comments. In addition, students learn how to market the newspaper via social media outlets, contests, and advertising. Students must have the consent of the instructor in order to work on Niles West News or North Star. Students receive one credit for each semester. Consent of the instructor is required to take Newspaper Production

Yearbook Production EN1G07 EN2G07 or EN1G17 EN2G17 (Honors)

Credit: 2 - General Ed / Honors

Grades: 9-12

Prerequisite: Journalism and/or consent of instructor

Non-English Credit Course

The Yearbook Production class creates the school yearbook. The skills necessary for effective design, layout, picture selection, and journalistic style are learned concurrently with the actual creation of the book. Students receive one credit each semester. Prerequisites include Journalism and/or consent of the instructor.

Broadcast Production BUST13

Credit: 1 -General Ed

Grades: 9-12

Prerequisite: None

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

Advanced Broadcast Production BUST14

Credit: 1 - Honors
Grades: 10-12

Prerequisite: Director 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

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 Design, Construction & Merchandising FCYF01

<i>Credit:</i>	<i>2 - General Ed</i>	Current trends in fashion design, apparel selection, visual merchandising techniques, textile and apparel production, textile information, and the development of a complete fashion vocabulary are stressed. The course also provides instruction in the ability to use proper equipment and operate a sewing, serger, and computerized embroidery machines. Students will be exposed to the psychology of dress, history of fashion, color analysis, and quality garment construction. Students will explore special interest areas such as: menswear, children's wear, accessories, and the haute couture.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Fashion Workshop FCYF03

<i>Credit:</i>	<i>2 - General Ed</i>	These semester courses are 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 prom dresses and multiple- piece garments. If interested in fashion merchandising, students will develop merchandising plans and assist with the production of a fashion show.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Chefs FCSC02

<i>Credit:</i>	<i>1 - General Ed</i>	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>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Gourmet and International Cuisine FCSC04

<i>Credit:</i>	<i>1 - General Ed</i>	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>	<i>9-12 (2nd Sem)</i>	
<i>Prerequisite:</i>	<i>Chefs</i>	

Commercial Foods Workshop FCYC06

<i>Credit:</i>	<i>4 - General Ed</i>	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>	<i>10-12</i>	
<i>Prerequisite:</i>	<i>Two semesters of culinary coursework</i>	

ENGINEERING AND ENGINEERING TECHNOLOGY

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	

Geometry Applications in Engineering - GAIN ETYE03-G

<i>Credit:</i>	2 - AP	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
<i>Grades:</i>	9-10	
<i>Prerequisite:</i>	None	ETYE03-G 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.

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	

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> <i>recommended</i>	IED & CIM	

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.
<i>Grades:</i>	11- 12	
<i>Prerequisite:</i> <i>recommended</i>	IED & CIM	

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 to a panel of outside reviewers at the end of the projects.
<i>Grades:</i>	12	
<i>Prerequisite:</i> <i>PLTW courses</i>	Completion of 2	

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>	<i>2 - General Ed</i>	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>	<i>10-12</i>	
<i>Prerequisite:</i>	<i>Auto Fundamentals</i>	

Automotive Collision & Repair ETYA07

<i>Credit:</i>	<i>2 - General Ed</i>	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>	<i>11- 12</i>	
<i>Prerequisite:</i>	<i>Auto Fundamentals, and Automotive Systems & Diagnostics or Director Approval</i>	

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

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Consent of Instructor and/or audition	

Percussion Techniques MUYM01

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Consent of Instructor and/or audition	

Advanced Percussion Techniques MUYM02

<i>Credit:</i>	2 - Honors	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Percussion Techniques and/or consent of instructor.	

MUSIC PERFORMANCE: CHOIR

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

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	None	

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

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Consent of Instructor	

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

<i>Credit:</i>	<i>2 - General Ed</i>	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>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Consent of Instructor and/or audition</i>	

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

<i>Credit:</i>	<i>2 - Honors</i>	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>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Consent of Instructor and/or audition</i>	

Orchestra Beginning Strings MUYS01

<i>Credit:</i>	<i>2 - General Ed</i>	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>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>None</i>	

Concert Orchestra MUYS03

<i>Credit:</i>	<i>2 - General Ed</i>	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>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Participation in Jr. High Orchestra or Beginning Strings</i>	

Philharmonic Orchestra MUYS09

<i>Credit:</i>	<i>2 - General Ed</i>	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>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Participation in Jr. High Orchestra or Beginning Strings</i>	

Symphonic Orchestra MUYS05 (Honors)

<i>Credit:</i>	<i>2 - Honors</i>	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>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>Consent of Instructor</i>	

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

Credit: 1 - General Ed

Grades: 9-12

Prerequisite: None

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

Acting DRSA01

Credit: 1 - General Ed

Grades: 9-12

Prerequisite: Theatre Workshop

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.

Advanced Theatre Studio DRSA02 (Honors)

Credit: 1 - Honors

Grades: 10-12

Prerequisite: Theatre Workshop and Acting

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.

Directing DRSD01 (Honors)

Credit: 1 - Honors

Grades: 11-12

Prerequisite: Theatre Workshop, Acting, Advanced Theatre Studio (2 semesters), and consent from instructor

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.

Play Production DRSP01 (Honors)

Credit: 1 - Honors

Grades: 11-12

Prerequisite: Theatre Workshop, Acting, Advanced Theatre Studio (2 semesters), and consent from instructor

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.

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 (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 & Digital Photography 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 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 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)

<i>Credit:</i>	2 - Honors	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.
<i>Grades:</i>	9-10	
<i>Prerequisite:</i>	Placement	
<i>Recommendation or Algebra 1 & Teacher Recommendation</i>		

Geometry Honors MAYG05 (Honors)

<i>Credit:</i>	2 - Honors	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.
<i>Grades:</i>	9-10	
<i>Prerequisite:</i>	Placement	
<i>Recommendation or Algebra 1 & Teacher Recommendation</i>		

Geometry Applications in Engineering - GAIN MAYG03- ENG & ETYE03-G

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

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	9 - 10	
<i>Prerequisite:</i>	None	
<i>Credit:</i>	2 - General Ed	ETYE03-G 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.
<i>Grades:</i>	9 - 10	
<i>Prerequisite:</i>	None	

Algebra 2 MAYA11

<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	

Algebra 2 Extension MAYA11-E

<i>Credit:</i>	2 - General Ed	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. <i>Does not meet the Math Graduation Requirement.</i>
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	Teacher recommendation	

Algebra 2 Advanced MAYA05 (Honors)

<i>Credit:</i>	2 - Honors	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.
<i>Grades:</i>	9-11	
<i>Prerequisite:</i>	Placement recommendation OR Geometry Advanced OR Geometry and teacher recommendation"	

Algebra 2 Honors MAYA07 (Honors)

<i>Credit:</i>	2 - Honors	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.
<i>Grades:</i>	9-11	
<i>Prerequisite:</i>	Geometry (Honors) or placement recommendation	

Intermediate Algebra MAYA20

<i>Credit:</i>	2 - General Ed	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 this course who attend Oakton Community College have an opportunity to earn math placement at Oakton through their work in this course.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	Teacher recommendation	

Probability & Statistics MA1M22 & MA2M22

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	Algebra 2	

PreCalculus MAYM02

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	Algebra 2	

PreCalculus Advanced MAYM21 (Honors)

<i>Credit:</i>	2 - Honors	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.
<i>Grades:</i>	11- 12	
<i>Prerequisite:</i> <i>(Advanced)</i>	<i>Algebra 2</i>	

PreCalculus Honors MAYM03

<i>Credit:</i>	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.
<i>Grades:</i>	11-	
<i>Prerequisite:</i> (Honors)	Algebra 2	

Calculus MAYM07(Honors)

<i>Credit:</i>	2 - Honors	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.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	PreCalculus	

AP Statistics MAYM23 (AP)

<i>Credit:</i>	2 - AP	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.
<i>Grades:</i>	10-12	
<i>Prerequisite:</i>	Algebra 2	

AP Calculus AB MAYM09 (AP)

<i>Credit:</i>	2 - AP	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.
<i>Grades:</i>	12	
<i>Prerequisite:</i> Advanced	PreCalculus	

AP Calculus BC MAYM11 (AP)

<i>Credit:</i>	2 - AP	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.
<i>Grades:</i>	12	
<i>Prerequisite:</i> Honors	PreCalculus	

Post-Calculus Topics MA1M16 & MA2M16 (AP)

<i>Credit:</i>	2 - AP	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.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	AP Calculus BC	

Mathematical Modeling and Research MAYM25 (AP)

<i>Credit:</i>	2 - AP	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 a research project from the genesis of the problem to the formal presentation of a model solution. This course can be repeated for credit.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i> approval.	Director	

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 PE1W03/PE2W03

<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 PE1N01 - PE2N01

<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: Special Education teacher recommendation</i>		

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	

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>	None	

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	

DRIVER EDUCATION

Driver Education DESD01. DESD03

Credit: None

Grades: 9-12

Prerequisite: Meet age requirements and has passed a minimum of eight (8) courses during the previous two semesters

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.

SCIENCE

FRESHMAN PROGRAM:

Exploratory Chemistry & Physics SCYD02 Physical Science SCYX01 (ELL)

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	9	
<i>Prerequisite:</i>	Placement	
<i>recommendation</i>		

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)

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Placement	
<i>recommendation</i>		

Biology Honors SCYB05

<i>Credit:</i>	2 - Honors	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Placement	
<i>recommendation; exceptional past performance in science.</i>		

Science Topics SCYT01

<i>Credit:</i>	<i>2 - General Ed</i>	Science Topics explores the wonders of science in everyday life. The thematic curriculum captures student interest, and build science investigative 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.
<i>Grades:</i>	<i>11- 12</i>	
<i>Prerequisite:</i>	<i>Two years of Science</i>	

SOPHOMORE PROGRAM:

Conceptual Chemistry SCYC01

<i>Credit:</i>	<i>2 - General Ed</i>	Conceptual Chemistry is an introductory chemistry course designed to give students working knowledge of chemistry that can be found in their everyday life, as well as chemistry's role in society and technology. Major concepts include scientific problem solving, atomic structure, identification of chemical names and formulas, conversions of chemical quantities and balancing equations. Students will be given the opportunity to solve problems in the lab utilizing the knowledge of matter and how it can change. A scientific calculator is required.
<i>Grades:</i>	<i>10-12</i>	
<i>Prerequisite:</i>	<i>Placement recommendation.</i>	

Chemistry SCYC03

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

Chemistry Honors SCYC05

<i>Credit:</i>	<i>2 - Honors</i>	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. A graphing calculator is recommended.
<i>Grades:</i>	<i>10- 11</i>	
<i>Prerequisite:</i>	<i>Completion of Biology or Honors Biology. Completion of Algebra or Geometry with a grade of "C" or better.</i>	

Conceptual Physics SCYP09

<i>Credit:</i>	<i>2 - General Ed</i>	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. A graphing calculator is recommended.
<i>Grades:</i>	<i>11- 12</i>	
<i>Prerequisite:</i>	<i>Two years of Science</i>	

Physics SCYP01

<i>Credit:</i>	<i>2 - General Ed</i>	Physics is a laboratory course dealing with the fundamental principles governing the physical universe. Major topic areas include motion, forces, momentum, energy, waves, light, electricity and magnetism. A scientific or graphing calculator is required.
<i>Grades:</i>	<i>11- 12</i>	
<i>Prerequisite:</i>	Completion of Chemistry with a grade of “C” or better. Completion of a geometry course. Concurrent enrollment in Algebra II or higher.	

AP Biology SCYB09 (AP)

<i>Credit:</i>	2 - AP	AP Biology has extensive content in biochemistry, biochemical genetics, and cellular physiology. Considerable talent and interest in science are necessary for success in this college-level course.
<i>Grades:</i>	11- 12	The equivalent of the core course for college biology majors, this course prepares the student for the college-level biology examination administered by the Advanced Placement Program. Success on this exam may entitle the student to college credit, advanced college placement, or both.
<i>Prerequisite:</i>	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 Chemistry SCYC07 (AP)

<i>Credit:</i>	<i>2 - AP</i>	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.
<i>Grades:</i>	<i>11- 12</i>	
<i>Prerequisite:</i>	<i>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.</i>	

AP Environmental Science SCYE27 (AP)

Credit: 2 - AP

Grades: 10-12

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

The AP Environmental Science course is a rigorous science course that stresses scientific principles and analysis and is designed to be the equivalent of an introductory college course in environmental science. The goal of AP Environmental Science is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made. 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.

AP Physics SCYP06

Credit: 2 - AP

Grades: 11- 12

Prerequisite: Completion of Honors Chemistry with a grade of "C" or better, OR Chemistry with a grade of "B" or better. 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. A graphing calculator is required (TI-83 or higher).

AP Physics C SCYP05 (AP)

Credit: 2 - AP

Grades: 12

Prerequisite: Completion of AP Physics 1 or Physics with a grade of "B" or better. Completion of or concurrent enrollment in Calculus 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. A graphing calculator is required (TI-83 or higher).

SCIENCE ELECTIVES:

Astronomy and Modern Physics SCYP04 (Honors)

Credit: 2 - Honors

Grades: 11- 12

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

Astronomy and Modern Physics is a lab-based course designed for students who wish to take a second physics course. Topics will include, but are not limited to, astronomy, cosmology, thermodynamics, relativity, solid state physics, quantum physics, and particle physics. The nature of the course is to explain how we know what we claim to know about the Universe. This course will involve mathematics at the same level as Physics. Enrollment first semester is recommended, but not required for second semester. A graphing calculator is recommended.

Anatomy and Physiology SCYP07, SCYP17

<i>Credit:</i>	2 - General Ed / Honors	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. A study of disease is included.
<i>Grades:</i>	11- 12	Completion of charts and anatomical drawings, as well as laboratory investigations and technology-based projects, are required. Topics covered include the skeleton, skin, muscles, nervous system, digestion, circulation, the kidney, the respiratory system, the reproductive system, and the special senses. 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.
<i>Prerequisite:</i>	Completion of or concurrent enrollment in Physics or higher.	

Health Careers / Medical Terminology SCYM03 (Honors)

<i>Credit:</i>	2 - Honors	This non-lab based science course presents medical terminology through study of medical word roots, prefixes and suffixes. Focus on relationships among symptomatic, disease, and procedural terms. Students will study various fields in the health career industry available today through coursework and practical applications within the community. Students will receive direction in the health career field through guest speakers, field trips, workplace mentors and guidance resources. Students who complete both sections of this course may receive three (3) college credit hours from Oakton Community College.
<i>Grades:</i>	11-12	
<i>Prerequisite:</i>	None	

Science Research Topics SCYT03

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	12	
<i>Prerequisite:</i>	Two years of Science or Director's Approval	

STEM Inquiry and Research (SIR) SCYT05 (AP)

<i>Credit:</i>	2 - AP	STEM Inquiry and Research (SIR) is designed for the motivated, creative, and inquisitive science student. 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 exacting 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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	Concurrent enrollment or prior completion of Biology, Chemistry, or Physics.	

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 SOSOC8

<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 student 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 Recommendation	

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 English 32-42	

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 History	

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 the 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 History and Teacher Recommendation	

Social Studies Electives:

Intro to Debate SOSD03

Credit: 1 - General Ed

Grades: 9-12

Prerequisite: None

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. *This class fulfills the public speaking requirement for graduation.*

Asian-American Studies SOSA02

Credit: 1 - General Ed

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

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

Grades: 12

Prerequisite: Teacher recommendation and at least one AP course

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 SOSS01

Credit: 1 - General Ed

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

Grades: 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

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.

Modern African and Latin American History: A Comparative Study SOSA01

Credit: 1 - General Ed

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

Grades: 10-12

Prerequisite: Teacher recommendation and at least one AP course

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.

Debate SOYD01 (Honors)

Credit: 2 - Honors

Grades: 9-12

Prerequisite: Consent of Instructor

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.

*Meets Public Speaking Requirement.

Advanced Debate SOYD05 (Honors)

<i>Credit:</i>	<i>2 - Honors</i>	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. Students in Advanced Debate are required to attend at least two tournaments each semester. 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. *Meets Public Speaking Requirement
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i> <i>Instructor</i>	<i>Consent of</i>	

SPECIAL EDUCATION

ENGLISH - SPECIAL EDUCATION

Freshman English with Reading ENYN01/ 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 ENYN03/ 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 ENYY57

<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 ENYN07/ 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 MAYN01 / 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 MAYN03 / 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 MAYN05 / 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 SCYN11

<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 SCYN31

<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, the metric system conversions, and 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 SCYN05 / SCYV01

<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/ SOYN06

<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 yearlong 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 1-2 SOYY14 / SOYN05

<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, SOYV15, SOYV20, SOYV25, SOYV30

<i>Credit:</i>	<i>2 - General Ed</i>	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.
<i>Grades:</i>	<i>All</i>	
<i>Prerequisite:</i>	<i>IEP Placement</i>	
<i>Recommendations</i>		

Vocational Awareness BUYN/V32-38

<i>Credit:</i>	<i>2 - General Ed</i>	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.
<i>Grades:</i>	<i>9-12</i>	
<i>Prerequisite:</i>	<i>IEP Placement</i>	
<i>Recommendations</i>		

Work Study

Work Study Classroom CVYY10, CVYN10-20

<i>Credit:</i>	<i>2 - General Ed</i>	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.
<i>Grades:</i>	<i>11-12</i>	
<i>Prerequisite:</i>	<i>IEP Placement</i>	
<i>Recommendations</i>		

Work Study on the Job CVYY14

<i>Credit:</i>	<i>2 - General Ed</i>	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.
<i>Grades:</i>	<i>11-12</i>	
<i>Prerequisite:</i>	<i>IEP Placement</i>	
<i>Recommendations</i>		

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

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: No prior instruction in Chinese.

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.

Chinese 2 LAYC03

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: Chinese 1 or teacher recommendation

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.

Chinese 2 LAYC05 (Honors)

Credit: 2 - Honors
Grades: 9-12

Prerequisite: Chinese 1 or teacher recommendation

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.

Chinese 3 LAYC07

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: Chinese 2 or teacher recommendation

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.

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 - General Ed

An accelerated course for students who have demonstrated superior linguistic ability. This course

<i>Grades:</i>	9-12	emphasizes all four language skills: listening, speaking, reading and writing. The text is supplemented with extra materials that broaden and enrich the students' vocabulary and communicative competence.
<i>Prerequisite:</i>	The equivalent of one year of junior high French with a grade of "A" or "B" or teacher recommendation	

French 2 LAYF05

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	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)

<i>Credit:</i>	2 - Honors	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	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

<i>Credit:</i>	2 - General Ed	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	French 2, French 2 Honors	

French 3 LAYF11 (Honors)

<i>Credit:</i>	2 - Honors	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.
<i>Grades:</i>	9-12	
<i>Prerequisite:</i>	French 2 with teacher recommendation or French 2 Honors.	

French 4 LAYF13

Credit: 2 - General Ed
Grades: 11-12

Prerequisite: French 3,
French 3 Honors, or equivalent

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.

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

Grades: 12

Prerequisite: German 3 with teacher recommendation or German 3 Honors

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

Hebrew

Hebrew 1 LAYH01

Credit: 2 - General Ed

Grades: 9-12

Prerequisite: No prior instruction in Hebrew or the equivalent of one or more years with a grade of "C" or below

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.

Hebrew 2 LAYH03

Credit: 2 - General Ed

Grades: 9-12

Prerequisite: Hebrew 1 or second year proficiency as demonstrated on a placement test

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.

Hebrew 2 LAYH09 (Honors)

Credit: 2 - Honors

Grades: 9-12

Prerequisite: Hebrew 1 and teacher recommendation or superior second year proficiency as demonstrated on a placement test

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.

Hebrew 3 LAYH05

Credit: 2 - General Ed
Grades: 9-12

Prerequisite: Hebrew 2 with teacher recommendation or Hebrew 2 Honors

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.

Hebrew 3 (Honors) LAYH11

Credit: 2 - Honors
Grades: 9-12

Prerequisite: Hebrew 2 or Hebrew 2 Honors and recommendation of instructor.

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.

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	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.
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	

Spanish 1 LAYS03

Credit:	2 - General Ed	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.
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	

Spanish for Heritage Speakers LAYS27

Credit:	2 - General Ed	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.
Grades:	9-12	
Prerequisite:	Counselor recommendation, junior high placement, or based on evaluation by high school	

Spanish for Heritage Speakers LAYS29 (Honors)

Credit:	2 - Honors	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.
Grades:	9-12	
Prerequisite:	Counselor recommendation, jr. high placement, or based on evaluation by high school teacher	

Spanish Introduction 2 LAYS07

Credit:	2 - General Ed	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.
Grades:	9-12	
Prerequisite:	<i>Spanish Introduction 1 or Spanish 1 with teacher recommendation</i>	

Spanish 2 LAYS09

Credit: 2 - General Ed
Grades: 9-12

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

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

Spanish 2 LAYS11 (Honors)

Credit: 2 - Honors
Grades: 9-12

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

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.

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

Credit: 2 - AP
Grades: 12-

Prerequisite Spanish
Conversation, Spanish 4 Honors,
or AP Spanish

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.

Spanish AP Language and Culture LAYS25

Credit: 2 - AP
Grades: 11-12

Prerequisite: Spanish 4,
Spanish 4 Honors, or teacher
recommendation

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.

AP Spanish Literature and Culture LAYS31

Credit: 2 - AP

Grades: 11-12

Prerequisite: AP Spanish

*Language or Teacher
recommendation*

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.