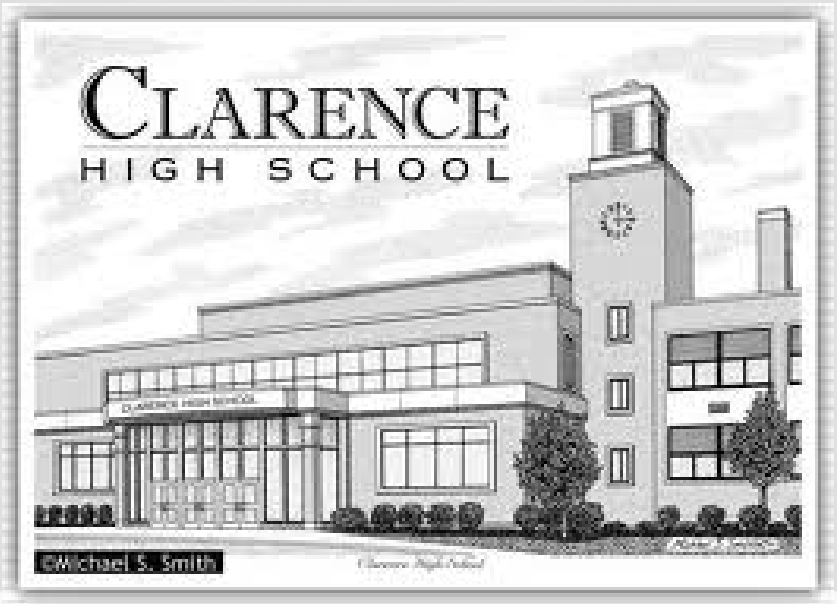

9TH GRADE SCHEDULING INFORMATION 2025-26

TYPICAL HIGH SCHOOL DAY

- Start: 8:52
- End: 3:30
- After School: 3:30-4:35
- 40 minutes per class—per 4, 5, 6, 7 are 39 min
- 5 minutes of passing time

CLASS SCHEDULE

Period	Time
1	8:52-9:34
2	9:39-10:19
3	10:24-11:04
4	11:09-11:48 (L)
5	11:53-12:32 (L)
6	12:37-1:16 (L)
7	1:21-2:00 (L)
8	2:05-2:45
9	2:50-3:30

MINIMUM REGENTS TESTING

A passing Score of 65 or greater is required on the Regents Exam	**Regents Diploma**	**Advanced Regents Diploma**
English	X	X
Algebra	X	X
Geometry		X
Algebra 2/Trigonometry		X
Social Studies	X	X
2nd Math, Sci., SS, or CTE exam	X	X
Science	X	X
2nd Science		X
Foreign Language		X**

*Testing requirements may differ for students with disabilities.
**Students who earn 5 credits in Career and Technical Education or the Arts are exempt. Students having a disability affecting their ability to learn a language may be exempt.

REQUIRED UNITS OF CREDIT

STUDENTS ENTERING GRADE 9 IN 2001 AND THEREAFTER		
Students must also complete 32 hours of community service.	**Regents Diploma**	**Advanced Regents Diploma**
English	4	4
Social Studies	4	4
Mathematics	3	3
Science	3	3
Health	.5	.5
The Arts	1	1
Foreign Language	1	3*
Physical Education	2	2
Additional Credits	3.5	1.5 or 4.5*
Total Minimum Required	22	22

*To earn an Advanced Regents Diploma, Students must complete one of the following: 1) A Language other than English – 3 credits. 2) Career and Technical Education – 5 credits plus one credit of Foreign Language. 3) The Arts – 5 credits plus one credit of Foreign Language. Students having a disability affecting their ability to learn a language may be exempt from Foreign Language.

ENGLISH 9

Emphasis is placed on the continued development of the NYS standards in reading, writing, listening, and speaking. Students will begin mastering literary analysis by studying the elements of the short story, novel, non-fiction, poetry, and drama. Preparation for the English Language Arts Regents exam begins. This exam, taken in Grade 11, is a NYS graduation requirement. Components of the curriculum include summer reading.

Grade 9
Full year subject
1 unit of credit
School exam/project

MATHEMATICS

- Algebra 1 Regents
- Foundations of Algebra 1
- Geometry Honors or Regents

ALGEBRA 1 REGENTS

This is a year-long course that counts towards mathematical commencement requirements and meets New York State's mathematics requirements towards earning a Regents Diploma. This course is aligned to the Common Core Learning Standards, intended to be the first of a three-year sequence. Students will study linear equations and inequalities, linear regression models, quadratic and exponential expressions (including rational exponents), quadratic functions, and formalize and extend the concept of functions (including function notation, domain and range, and exploration of many types of functions). This course is followed by Geometry R.

Grade 9
Full year subject
Integrated Algebra exam (Regents)
1 unit of credit

FOUNDATIONS OF ALGEBRA 1

- This is a double period course that counts towards mathematical commencement requirements and meets New York State's mathematics requirements towards earning a Regents Diploma. This course is aligned to the Common Core Learning Standards. Students will study foundations of algebra, linear equations and inequalities, linear functions (including domain and range), linear word problems and systems of equations, operations with polynomials, and factoring polynomials.

Grade 9
Full year subject

Integrated Algebra exam (Regents)
1 unit of credit

GEOMETRY HONORS

This is a one-year course that counts towards a student's mathematical commencement requirements and meets New York State's mathematics requirements towards earning a Regents Diploma. It is aligned to the Common Core Learning Standards and is intended to be the second year of a three year sequence. This course employs an integrated approach to the study of connecting algebra to geometric relationships and proofs. Properties of triangles, quadrilaterals, and circles will receive particular attention. Congruence and similarity of triangles will be established using appropriate theorems; transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships; and topics in trigonometry extending to three-dimensional geometry will be explored.

Grades 9
Full year subject
1 unit of credit
Geometry exam (Regents)
Prerequisite: Accelerated 8th grade math with a mastery grade on the Integrated Algebra exam

GEOMETRY REGENTS

This is a one-year course that counts towards a student's mathematical commencement requirements and meets New York State's mathematical commencement requirements toward earning a Regents Diploma or a Regents Diploma with Advanced Designation. It is aligned to the Common Core Learning Standards and is intended to be the second year of a three year sequence. This course employs an integrated approach to the study of connecting algebra to geometric relationships and proofs. Properties of triangles, quadrilaterals, and circles will receive particular attention. Congruence and similarity of triangles will be established using appropriate theorems; transformations including rotations, reflections, translations, and glide reflections and coordinate geometry will be used to establish and verify geometric relationships; and topics in trigonometry extending to three-dimensional geometry will be explored.

Grades 9, 10, 11, 12
Full year subject
Geometry Exam
1 unit of credit
Prerequisite: Algebra R or Algebra RB

SOCIAL STUDIES

Global History & Geography I Regents

In this course students are introduced to a chronological approach to world history. Certain global themes and concepts are examined such as geography, environment, diversity, belief systems, culture, political systems, economic systems, science, technology and interdependence. The focus is from the ancient world through the 1700's.

Grade 9
Full year subject
1 unit of credit
School exam

- **(Regents Exam is during your Sophomore Yr)**

SCIENCE

- Earth Science Regents
- Biology Regents

EARTH SCIENCE REGENTS

This course is designed to encourage students to investigate the scientific world through hands on and problem solving techniques. Topics covered include geology, mineralogy, petrology, topography, astronomy, Earth history, platetectonics and meteorology. Laboratory work is an important part of this course. A lab period is required.

Grades 9, 10, 11, 12
Full year subject
1 unit of credit
Regents exam

LIVING ENVIRONMENT BIOLOGY REGENTS

This course is designed for the Living Environment Core Curriculum based on the New York State Learning Standards at the commencement level. It emphasizes the seven ideas of Standard Four which include interaction and interdependence, genetics, evolution, reproduction and development, homeostasis, ecology and human influence on the physical and living environment. Students also learn about methods used to conduct scientific research to fulfill Standard One requirements. Students demonstrate their proficiency through multiple activities, lab reports, test, quizzes and projects. A lab period is required.

Grades 9, 10, 11, 12
Full year subject
1 unit of credit
Regents exam

FOREIGN LANGUAGE

- Spanish
- French
- Latin

  - Will continue in previous foreign language to earn advanced regents credit

SPANISH 2 REGENTS

Students learn to understand and speak Spanish in the kind of real-life situation that they would meet if they were traveling or studying in some Spanish speaking country, seeking information or exchanging opinions on concrete topics. Students read selections that show the diversity of the countries in the Spanish speaking world. Students use vocabulary in communicative activities, projects, note writing and master the use of present, past and future tenses.

Grades 9, 10, 11, 12
Full year subject
1 unit of credit
School exam
Prerequisite: Spanish 1R

FRENCH 2 REGENTS

Students learn to understand and speak French in the kind of situation that they would meet if they were traveling or studying in a French speaking country. Students read selections that present a variety of French cultural experiences. Students use vocabulary in communicative activities, projects, note writing and master the use of present, past and simple future tenses.

Grades 9, 10, 11, 12
Full year subject
1 unit of credit
School exam
Prerequisite: French 1R

LATIN 2 REGENTS

Emphasis in this course is placed on learning additional language elements and increasing skills. Comprehension of grammar functions is vital to the goal of reading and understanding Latin. Selections from Roman mythology and history provide a closer view of our Latin heritage.

Grades 9, 10, 11, 12
Full year subject
1 unit of credit
School exam
Prerequisite: Latin 1R

THE ARTS

- **Technology**
  - Introduction to Engineering Design
- **Music**
  - Band
  - Chorus
  - Orchestra
- **Art**
  - Studio in Art
  - Studio in Crafts 1 & 2—.5 credits each

INTRODUCTION TO ENGINEERING DESIGN

IED is an introductory course, which develops student problem solving skills, with emphasis placed on the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by modern state-of-the-art computer hardware and software. (Autodesk Inventor). This modern computer based process replaces the traditional hand drawing methods. The course emphasizes the design development process of a product and how a model of that product is produced, analyzed and evaluated, using a Computer Aided Design (CAD) system. Various design applications are explored with discussion of possible career opportunities. IED is based on the NY State Design and Drawing for Production curriculum.

A Project Lead The Way Curriculum
Grades 9,10, 11, 12
Full year subject
1 unit of credit
School exam
This course can be used to satisfy the Art/Music requirement

STUDIO IN ART

Studio In Art offers the student a foundation for future art courses and provides art exposure for the student desiring a one-time experience. Students study the history and appreciation of art while completing a variety of one- and two-dimensional projects.

Grades 9, 10, 11, 12
Full year subject
1 unit of credit
Portfolio review
Final project

STUDIO IN CREATIVE CRAFTS I

This course is intended as an introduction to arts and crafts. Students are introduced to the basic concepts, media, and techniques involved in a variety of craft forms. An understanding of history and other cultures will be studied. Projects may include: jewelry, ceramics, paper mache', fabric and papermaking.

Grades 9, 10, 11, 12
1 semester subject
½ unit of credit
Final project

STUDIO IN CREATIVE CRAFTS II

This course is designed to heighten sensitivity to form/shape, to improve the abilities of expression through a three-dimensional format and to enhance the sense of craft and aesthetic by way of experiencing a variety of materials and processes. Students will continue to explore a variety of media. Projects may include: functional art, glass, mosaics, bookmaking, basic illustration, and batik.

Grades 9, 10, 11, 12
1 semester subject
½ unit of credit
Final project

PHYSICAL EDUCATION

- Physical Education 9 S1
- Physical Education 9 S2

ELECTIVES

ART

- Studio Art
- Studio Creative Crafts I
- Studio Creative Crafts II
- Studio in Video
- Advanced Studio in Video
- Digital Drawing and Illustration
- Digital Animation

STUDIO IN VIDEO

- Studio In Video allows students the opportunity to produce videos. Students learn technical skills in filming, lighting, sound, special camera effects and editing. This course does allow for those who have prior experience to work at their level of expertise.

- ½ unit of credit

ADVANCED STUDIO IN VIDEO

This video production class is an investigation of the relationship between conceptual ideas and moving images in video. Students script, shoot, edit, and create short video works complete with soundtrack. All editing is done digitally and includes some postproduction. Works may be made for screen, installation, performance, or interactive format. All production is within a fine arts.

½ unit of credit

Prerequisite: Studio in Video

DIGITAL DRAWING AND ILLUSTRATION

- This course will introduce students to the world of digital drawing and illustration. Students will use pressure sensitive digital tables to learn about illustrating figures, animals, fantasy creatures, and explore animated character development. Students will create drawings in their sketchbook, learn to transfer drawings to a digital format and explore light and color variations. Students will learn basic software skills in Procreate and Photoshop as well as use traditional illustration materials. No previous knowledge required, but a strong interest in drawing is recommended.
  Grades 9, 10, 11, 12
  1 semester subject
  ½ unit of credit

DIGITAL ANIMATION

- This course is designed to expose students to a wide range of animation techniques. During this course, students will learn about the history and evolution of early animation. Emphasis will be on the processes involved in the creation of animation, digital drawing, storyboarding, creating character, background design and sound design. The class will consist of demonstrations, viewing of related works, hands-on experimentation, and critiquing. Weekly projects will further a student's exploration of animation approaches and techniques. Knowing the industry standard animation and interactivity tool Adobe Photoshop and Procreate can help you get a foothold in the exciting multimedia world. Experience in digital drawing, traditional drawing or completion of Digital Drawing and Illustration is highly recommended.
  Grades 9, 10, 11, 12
  1 semester subject
  ½ unit of credit

BUSINESS

- Intro to Business
- Business Applications MS Office
- Business & Personal Law I
- Entrepreneurship
- Career & Financial Management

INTRODUCTION TO BUSINESS

- This course provides students with the necessary skills to be successful in business. Students will study business terminology, concepts and current business issues. The goal is to develop critical and analytical thinking skills as well as to develop an understanding of business decision-making competence used in the workplace today. This course will also help you establish your direction and choice of careers in business and to become a productive citizen who will be able to contribute and compete in an ever-changing global environment.
- **Grades 9, 10, 11, 12**
  1 semester subject
  ½ unit of credit
  School exam

ENTREPRENEURSHIP

- This course provides students with the skills needed to be successful in a constantly changing workplace. Students study entrepreneurship as a career choice, learning how to start, own, and manage a business. Topics covered include economics, entrepreneurship as a career, developing an idea, marketing, finance, competition, supplier management, communication, and ethical and legal issues. Students develop an understanding of the importance of entrepreneurship and small business to the economy. Students are involved in a variety of activities including listening to guest speakers, doing research, examining the Internet and developing a basic business plan for a business of their choice.
  Grades 9, 10, 11, 12
  1 semester subject
  ½ unit of credit
  Final Project

BUSINESS & PERSONAL LAW I

- This course provides students with a comprehensive understanding of business and personal law. Topics include: constitutional, statutory, case and administrative laws, laws for minors, civic and criminal law, court jurisdictions, trial procedures, forensic science, contract law, consumer law, employment law, family law, property law including realty and landlord/tenant relationships, car insurance. Legal knowledge is applied in a fun and meaningful way through debate, guest speakers and the mock trial process. Students are encouraged to participate in the Erie County Mock Trial Team or Law Club to gain "real life experience." Students have the opportunity to earn college credit, when possible, through college articulation agreements.
  Grades 9, 10, 11, 12
  Full year subject
  1 unit of credit
  School exam

BUSINESS APPLICATION
MS OFFICE (AOBF)

- This course places emphasis on the study of major microcomputer application: word processing, spreadsheets, databases and presentations. Students will also study the microcomputer operating system fundamentals and using the Internet. Students will prepare for the Microsoft Office Specialist (MOS) certification with training in Word, PowerPoint, Excel and Access. Students will have the opportunity to earn college credit, when possible, through college articulation agreements.
  Grades 9, 10, 11, 12
  1 semester subject
  ½ unit of credit
  Microsoft Office User Specialist Certification exam

CAREER & FINANCIAL MANAGEMENT (AOBF)

This is the first course students take in the Academy of Business and Finance Program and provides students with the opportunity to learn about career development, options beyond high school, and the skills and competencies needed for success in the workplace. Students will develop financial literacy as they learn about the function of finance in society, budgeting, money management, credit and loans, investing, insurance, and taxes.

- **Grades 9, 10, 11, 12**
  1 semester subject
  ½ unit of credit
  Final Project

ENGLISH

- Graphic Literature
- Legends and Lore
- Journalism

GRAPHIC LITERATURE

- Students explore the fundamentals of visual literacy through an analysis of graphic novels, comics, and manga. We will examine the unique tools and tricks that artists and authors use in graphic literature to build plot, flesh out characters, and develop themes. Students will build and demonstrate their mastery of the material through writing, short comics, and their own graphic short story.

1/2 unit of credit

LEGENDS AND LORE

- Since the first people gathered around fires, mythology and folklore have been used to make sense of humankind and our world. Beginning with an overview of mythology and different kinds of folklore, students will journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore and see how these are still used to shape society today.
- **1/2 unit of credit**

JOURNALISM: MASS COMMUNICATION

- Students learn the fundamentals of print and broadcast journalism through activities that include interviewing and reporting techniques, news, feature and sport writing, opinion writing, photo journalism, blogging, and layout and design techniques. Additionally, students study ethical issues related to journalism, trends in mass communication, and explore related fields including advertising and public relations.

1/2 unit of credit

MUSIC

- Mixed Chorus
- Chorale
- Treble Chorus
- Concert Band
- Symphonic Band
- Wind Ensemble
- Concert Orchestra
- Symphonic Orchestra

SCIENCE

- Astronomy
- Environmental Science

ASTRONOMY

- This course is designed to help answer some of the intriguing and fascinating topics that have mystified astronomers for millennia. Students will explore our nearest neighbor, the Moon, and take a journey that will explore all of the other members of the solar system. The outer reaches of the cosmos and some of the current advancements in astronomy will be probed. Students will be given the opportunity to explore, first hand, topics of study during mandatory observation sessions.
  Grades 9, 10, 11, 12
  1 semester subject
  ½ unit of credit
  School exam

ENVIRONMENTAL SCIENCE

- In this class students will develop a greater understanding and appreciation for ecology and the environment. Topics include biomes of the world, ecosystems and biodiversity, the dynamics of population growth, energy from fossil fuels, nuclear power and renewable resources. Students will apply knowledge gained in other science classes in the analysis of environmental issues such a pollution, atmospheric changes and the depletion of natural resources.
  Grade 9, 10, 11, 12
  1 semester subject
  ½ unit of credit
  Final project/presentation

SOCIAL STUDIES

- The Civil War Era
- Psychology

THE CIVIL WAR ERA

- This course explores the major themes of the Civil War era including the causes of the war, major battles and events during the war, and the consequences following the war. Students participate in discussions, role-playing, multimedia presentations, and historical research including extensive use of electronic and web resources. The goal of this course is to help students develop a greater appreciation of the Civil War in an exciting atmosphere using film, music, primary sources and literature.

Grades 9, 10, 11, 12
1 semester subject
½ unit of credit
School exam or Final Project

PSYCHOLOGY

- In this course, you will learn about a wide range of psychological concepts including the history of psychology, development, intelligence, emotions, motivation, dreaming and social behaviors, but most importantly, you will learn about yourself.

  1 semester
- **½ credit**
- **Final Project**

TECHNOLOGY EDUCATION

- Introduction to Engineering Design
- Manufacture Systems in Metal
- Material Processing—Wood, Metal and Plastics
- Production Systems in Wood
- Robotics 1

MANUFACTURING SYSTEMS IN METAL

- In this systems course, students investigate the systems used in manufacturing and construction with metals, metal working tools, and industry standards. Hands-on problem solving laboratory experiences include: hot metal casting, forging, machine operations, sheet metal working, and welding. (MIG, and stick). These experiences expose students to a variety of processes and related careers. Laboratory activities include: the safe use of tools, machines, and other resources to: design products, process materials, organize for and produce manufactured products, and using manufacturing and construction techniques to build various products.

Grade 9, 10, 11, 12
1 semester subject
½ unit of credit
School exam

MATERIAL PROCESSING
WOOD, METAL, AND PLASTIC

- In this course, students investigate systems used to process various materials, including wood, metal, and plastic, in a laboratory setting. The importance of resources, materials, availability, tools, and equipment used, technical knowledge, and safety considerations are covered in this course. Hands-on problem solving laboratory experience includes: procuring materials, as well as processing methods such as: shearing, chip removal, forming, casting, compressing/stretching, fastening, joining, and finishing processes. These experiences expose students to a variety of processes and related careers. Laboratory activities include: the safe use of tools, machines, and other resources to design products, process materials, organizing to produce manufactured products, and using manufacturing and construction techniques to build various products.

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Grade 9, 10, 11, 12
1 semester subject
½ unit of credit
School exam

PRODUCTION SYSTEMS IN WOOD

- In this course, students investigate the systems used to process natural wood resources into manufactured and constructed products. Hands-on problem solving laboratory experiences include: solid wood construction, machining, joinery, veneering, lamination, and finishing. These experiences expose students to a variety of processes and related careers. Laboratory activities include: the safe use of tools, machines, and other resources to: design products, process materials, organizing for and produce manufactured products, and using manufacturing and construction techniques to build various products.

Grade 9, 10, 11, 12
1 semester subject
½ unit of credit
School exam

ROBOTICS I

- Students will learn to identify and understand the mechanical and electronic systems and subsystems that comprise a robot. Basic engineering and mechanical concepts will be explored as students work in teams to design and build robots from VEX robotic kits. Autonomous robots and RC controlled robots will be designed and assembled in support of learning basic programming skills. Students enrolled in Robotics I will compete against other schools in local robotics competitions.

Grade 9, 10, 11, 12
1 semester subject
½ unit of credit
School exam

9TH GRADE SCHEDULING SHEET

SPORTS

https://www.clarenceschools.org/athletics/sports-offererings

GUIDANCE & COUNSELING CENTER

https://www.clarenceschools.org/schools/clarence-high-school/guidance-counseling