IRONDEQUOIT HIGH SCHOOL



9TH GRADE 2021-2022 ELECTIVE CATALOG & ADVANCED COURSE OPTIONS

ART

STUDIO IN FINE ARTS (60100)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Level: All

Prerequisite: None

A comprehensive foundation course designed to stimulate and encourage creative growth and to foster a healthy curiosity as students explore visual expression. Assignments help students to identify their own aesthetic tastes and learn to appreciate works of art. Hands-on activities cover a wide range of topics and materials including drawing, painting, sculpture, and digital media, as well as a strong focus on the Elements of Art and Principles of Design. This course meets part of the New York State requirement for art credit. Please note that Studio in Fine Arts is a prerequisite for Drawing and Painting. Evaluation is based on craftsmanship design, pursuit, invention, and expression.

STUDIO IN GRAPHIC DESIGN A (60150)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Level: All

Prerequisite: None

Studio in Graphic Design A is a computer art survey course that integrates visual art and digital media to introduce students to many of the skills needed for Graphic Design careers. It serves to give a background in the history, movements and expanding technologies needed in commercial art, along with an understanding of advertising and consumer perspectives. Students will create digital projects utilizing Adobe Illustrator to create designs and logos that demonstrate typography and layout skills. Most projects include client and artist scenarios providing real life experiences. Evaluations are based on craftsmanship, design, pursuit, invention, and expression. Students planning on taking Photography are highly encouraged to take this course.

STUDIO IN GRAPHIC DESIGN B (60151)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Level: Intermediate

Prerequisite: Studio in Graphic Design A

Studio in Graphic Design B is an intermediate level computer art course that integrates visual art and digital media to build and expand upon many of the skills needed for Graphic Design careers. It serves to give a deeper background in the history, movements and expanding technologies needed in commercial art, along with an understanding of advertising and consumer perspectives. Students will create multimedia projects utilizing the Adobe Creative Suite (Illustrator, Photoshop, InDesign), to create poster and product designs that demonstrate efficient typography and layout skills. Most projects include client and artist scenarios providing real life experiences. Evaluations are based on craftsmanship, design, pursuit, invention, and expression.

DRAWING AND PAINTING A (60200)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Level: All

Prerequisite: Studio in Fine Art A

This course helps the beginning level student to develop the focus needed to improve basic drawing skills from direct observation as well as increase the capacity to create conceptual work. Activities center around the process of "seeing" and applying the learning in a variety of materials and techniques while also encouraging students to actively doodle in order to get more comfortable taking creating creative risks with their authentic imagery. Students are evaluated on design expression, craftsmanship, pursuit and invention. All students are required to have a spiral bound sketchbook that will be evaluated on a regular basis.

SCULPTURE AND MIXED MEDIA A (61300)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Level: All

Prerequisite: None

Students are taught the basic skills of 3-Dimensional design as they explore basic building methods including additive, subtractive and modeling. Students will work with cardboard construction, stone carving, clay and found/altered objects. The sculptures from other cultures will be explored, as well as theme development within visual communication. Evaluation is based on craftsmanship, design, pursuit, invention, and expression of works produced, as well as knowledge of processes taught.

SCULPTURE AND MIXED MEDIA B and C

(61400/61500) Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit Each

Level: Intermediate

Prerequisite: Prior Level Course(s)

Intermediate and advanced students will continue to explore sculpture methods in clay, plaster, cardboard, wax and metals. This course offers an extension of techniques and processes learned in Sculpture and Mixed Media A. Evaluations are based on craftsmanship, invention, expression, design and pursuit.

PHOTOGRAPHY A (60900)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Level: Al

Prerequisite: None (Studio in Fine Arts OR Studio in Graphic

Design suggested)

This is an entry-level Photography course. Students will learn how to manually shoot, compose, process, manipulate, print and mount their own digital photographs using D-SLR's. The design skills explored in Studio in Fine Arts and Studio in Graphic Design A are expanded through a different set of media: the camera, treatment of technical choices, and manipulations created in Adobe Photoshop post-process. Student work is evaluated according to mastery of technical skills as well as quality of pieces produced.



BUSINESS

SPORTS MARKETING (58600)

Grade(s): 9-12

Duration/Credit: Semester – 1/2 Unit

Level: All Prerequisite: None



This course will have an emphasis on employing the basic marketing concepts through simulation, case studies and authentic experiences. The course will utilize a problem-solving approach through the use of a computer simulation program that teaches students about all of the decisions of running a sports organization. Students will also be charged with a real-life marketing problem by a local sports team that they will solve and present to the team. And finally, students will be given responsibility to promote a real sports event through all of the marketing strategies they were taught. As a part of the course, students build their resumes through their involvement in the national student organization DECA by applying what they have learned. Dues are collected by October .

ENTERTAINMENT BUSINESSES (56505)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Level: All

Prerequisite: None



This course is designed to give students a basic understanding of how to solve business problems in many of the entertainment industries. Students will utilize computer programs to simulate business situations and make virtual decisions to enhance the classroom learning. The class will closely study the restaurant industry, hotel industry and delve into the retail, agent and fashion industries. The course is designed to take students behind the scenes of these growing career fields. As a part of the course, students build their resumes and research a career field through their involvement in DECA by applying what they have learned. Dues are collected by October.

VIRTUAL BUSINESS MANAGEMENT (57000)

Grade: 9-12 Duration/Credit: Semester – 1/2 Unit

Level: All

Prerequisite: None



An online business simulation program will be used in this class to explore all the concepts of business management today. Using a "hands on" retail simulation, students manage a convenience store, a sporting goods store and an electronics store. Introductory topics such as financing, market research, promotion, merchandising, pricing, promotion, security, location and human resources, will be explored. <a href="https://doi.org/10.1001/jhttps

E-COMMERCE APPLICATIONS (56600)

(Managing an on-line business)

Grade(s) 9 - 12

Duration/Credit: Semester – 1/2 Unit

Level: All

Prerequisite: None

The E-Commerce business model is a powerful force in today's professional business environment. Over 87% of American adults in the U.S. use the Internet. In order to participate effectively in this economy, students must be taught how to adapt to and understand this transformation in how goods and services are exchanged. E-Commerce assists in preparing students for post-secondary employment by promoting practical job skills and business experience, while also helping to prepare students for continued academic success in the rapidly expanding field of E-Commerce. So imagine a course that teaches you how to operate an online company like E-bay, or Amazon. A course that has students manage a website; sell and design real ads that sells an actual product; create stories; report I.H.S. sports scores,

PERSONAL LAW (57700)

Grade(s): 9-12

Duration/Credit: Semester – 1/2 Unit

drive traffic to the website and create hits.

Level: All

Prerequisite: None



Students interested in careers involving law enforcement, criminal justice, corrections, political science or legal journalism should consider this elective. Legal issues covered include the court system, trial procedures, civil law, torts, crimes, juvenile justice, family law, domestic violence, drug laws, and incarceration. The course is teamtaught by community experts who bring credibility to the topics explored. These experts include the Irondequoit Police Department, lawyers, judges, the Monroe County District Attorney's office, and juvenile justice authorities. Students actively engage in their own learning by competing in an in-class mock trial and orally debating legal issues. The program is highlighted by field trips to the Hall of Justice and/or the Irondequoit Police Department.

ENGLISH

INTRODUCTION TO THEATRE (02120)

Grade(s): 9-12

Duration/Credit: Year - 1 Unit

Level: Mixed

Prerequisite: None

This participatory course is intended to broaden a student's basic knowledge of theatre and the dramatic arts. Students will learn and practice basic elements of acting and technical theatre production. Students will be given performance and production opportunities involving voice and movement, improvisation, monologues, and scene work. The course also includes an overview of the history of theatre, famous dramatic personalities, types of theatre, and theatre criticism. Topics/Units include: basic stagecraft and ensemble work, introduction to voice and public speaking, scene study/analysis I & II, and performance, theatre history, introduction to the musical, production elements, production specialization, theatrical productions and culture. For success in this course students should have a creative spirit and a willingness to take creative risks.



ENGLISH (Continued)



JOURNALISM 21st CENTURY A (02167)

Grade(s): 12 (9-11 with Supervisor Approval)
Duration/Credit: 1/2 Year - 1/2 Unit

Level: Mixed

Prerequisite: English 9, English 10, English 11/AP Language (OR co-seated with an English course)

Journalism is a half year course designed to ignite students' passion about current issues in society, while helping students to develop an understanding of the First Amendment and ethical issues associated with modern media. The engaging classroom environment will focus on critical thinking, creativity and intellectual independence. In addition, students will develop multi-disciplinary skills such as communication, collaboration and technology. course is designed to teach students how to use rhetorical devices effectively in writing and to understand their audiences. It also requires students to rely on sources, pull information from those sources and use that information effectively in crafting written pieces. Topics/units include: What is news? How do stories become news? How is news structured? How do reporters capture news? techniques do journalists use to make their stories come alive? Students will leave the course equipped with the 21st Century skills needed to be a productive and thoughtful member of society.

MATH

AP COMPUTER SCIENCE PRINCIPLES (32600)

Grade(s): 9-12

Duration/Credit: Year - 1 Unit *

Prerequisite: Algebra or Advanced Algebra

This course is designed to be an entry level computer science course for students not majoring in computer science but interested in an introduction to the central ideas of computer science. Students will engage in activities that show how computing changes the world and impacts daily lives. Students will develop step-by-step written solutions to basic problems and will be required to implement these solutions on a computer using a programming language. The topics of study will include history of computer development, computer hardware, networks, internets, the Internet, HTML, algorithms, programming, data representation, searching, sorting and ethical computing.

This course will focus on providing time to complete the AP Computer Science portfolio as well as preparing for the written AP exam. The Computer Science Principles course can lead to AP credit through completion and submission of a portfolio and successful completion of the AP exam. The portfolio consists of two performance tasks - Explore and Create. The Explore task is an individual exploration of a significant computing innovation and involves creating a digital artifact and a written report. The Create task involves choosing a focus area, writing a program related to the focus area as a team of two students, writing a program related to the focus area independently, and giving written reports of the creation process both collaboratively and independently.

MUSIC

CHORALE (72900)

Grade(s): 9-12

Duration/Credit: Year - 1 Unit

Level: Advanced

Prerequisite: Placement by assessment

This advanced ensemble sings at the highest possible level for high school students. Dedicated, hard working musicians who want to sing a challenging variety of repertoire will feel a sense of accomplishment and satisfaction performing in this group.

The choir meets daily during the school day. In addition, each student participates in a sectional once per cycle on a rotating basis (a different period each 6-day cycle). During these rehearsals and sectionals, members learn and develop proper vocal technique while they prepare for performances. The evening concerts scheduled for the groups are required as part of the course. Evaluation is based on attendance, participation and performance in rehearsals, sectionals and concerts, and individual assessments. Independent practice outside of rehearsals is expected of all members.

Placement assessments take place in the spring. Chorale is a mixed choir (male and female – soprano, alto, tenor, and bass). Auditions are open to anyone in grades 9-11. However, previous choir experience is strongly recommended.

CHAMBER SINGERS/CHORISTERS (73000)

Grade(s): 9-12

Duration/Credit: Year - 1 Unit

Level: All

Prerequisite: Open enrollment

Chamber Singers and Choristers perform three, four and five-part music including the opportunity to sing in different voicings (mixed, male and female). Members will perform a variety of moderate and challenging music in various styles ranging from pop to classical, and from all time periods. Correct vocal technique and music reading skills are stressed at daily rehearsal. Each student participates in a sectional once per cycle on a rotating basis (a different period each 6-day cycle). Members must perform at all scheduled concerts to receive credit, including evenings. Evaluation is based on attendance, participation and performance in rehearsals, sectionals and concerts.

Enrollment in these ensembles is open to any high school student. Both groups are mixed (male and female).



MUSIC (Continued)

SYMPHONIC ORCHESTRA (72605)

Grade(s): 9-12

Duration/Credit: Year - 1 Unit

Level: All

Prerequisite: Open enrollment

This ensemble is for students who play orchestral, stringed instruments. Repertoire is chosen from various historical periods, from Bach to Mozart to 20th Century compositions. In addition, students will study music skills as defined by the New York State Standards for Music. These include the study of history, theory, ear training and listening.

The Orchestra performs several evening concerts throughout the school year. Concert attendance is required as part of this course. Evaluation will be based on performance, effort and progress. In addition, students are required to attend once-per-cycle sectionals. These sectionals take place on a rotating basis (eg. Week #1 – period 1, week #2 – period 2, etc.).

Orchestra is an open enrollment course. This course meets for one (1) period every day. Students receive one (1) unit of credit.

PHILHARMONIC ORCHESTRA (72600)

Grade(s): 9-12

Duration/Credit: Year - 1 Unit

Level: Advanced

Prerequisite: Placement by assessment, previous orchestra

experience

This advanced ensemble performs at the highest possible level for high school students. Dedicated, hard working musicians who want to perform a challenging variety of repertoire will feel a sense of accomplishment and satisfaction performing in this group.

The orchestra meets daily during the school day. In addition, each student participates in a sectional once per cycle on a rotating basis (a different period each six-day cycle). During these rehearsals and sectionals, members learn and develop proper string technique while they prepare for performances. The evening concerts scheduled for the group are required as part of the course. Evaluation is based on attendance, participation and performance in rehearsals, sectionals and concerts. Independent practice outside of rehearsal is expected of all members.



"Education in music is most sovereign because more than anything else rhythm and harmony find their way to the innermost soul and take strongest

hold upon it ." -Plato

SYMPHONIC BAND (72800)

Grade(s): 9-12

Duration/Credit: Year - 1 Unit

Level: All

Prerequisite: Participation in a band or lesson group in or

outside of the District

These ensembles, for wind and percussion players, are designed to provide the advancing student musician the opportunity to heighten their performance abilities while becoming exposed to more difficult levels of music. Musical styles will include overtures, marches, popular and contemporary music, plus selections from the more traditional band repertoire.

Symphonic Band will present several evening concerts at school throughout the year, as well as community performances. Concert attendance is required as part of this course. Evaluation will be based on performance, effort, and progress. In addition, attendance at once-a-week sectionals is part of this course. These sectionals take place on a rotating basis (e.g. week #1 - period 1, week # 2 - period 3, etc.). Band rehearsals and sectionals will provide introductory lessons in music history, music theory and ear training.

WIND ENSEMBLE (72700)

Grade(s): 9-12

Duration/Credit: Year - 1 Unit

Level: Advanced

Prerequisite: Junior and/or Senior High band experience,

placement assessment

This advanced group, with specific instrumentation, will yield pride and satisfaction for the dedicated and serious performer of woodwind, brass, and percussion instruments. Repertoire for this ensemble is based on the standard literature for band. The difficulty level of the music performed will require dedication and practice.

The Wind Ensemble presents several evening concerts throughout the year in addition to performing at the high school commencement exercises. Concert attendance is required as part of this course. Evaluation will be based on performance, effort, and progress. In addition, attendance at once-a-week sectionals is part of this course. These sectionals take place on a rotating basis (e.g. week # 1 - period 1, week # 2 - period 3, etc.).

Appointment to this musical ensemble is by placement assessment. The instrumentation for this ensemble includes piccolo, flutes, oboes, clarinets, saxophones, bassoons, trumpets, French horns, baritones, trombones, tubas, and percussionists.

MUSIC (Continued)

JAZZ ENSEMBLE (73300)

Grade(s): 9-12

Duration/Credit: Year - 1/2 Unit

Level: All

Prerequisite: Placement assessment and concurrent

membership in a performing ensemble

This ensemble is designed to provide the advanced student performer of saxophones, trumpets, trombones, drum set, bass, keyboard, and guitar the opportunity to perform jazz and contemporary literature.

The Jazz Ensemble will present several evening concerts throughout the year. Concert attendance is required as part of this course. Evaluation will be based on performance, effort, progress and improvisation.

Appointment to this musical ensemble is by placement assessment by the Jazz Ensemble director. The instrumentation for this ensemble includes alto saxophones, tenor saxophones, baritone saxophone, trombones, trumpets, keyboardist, guitarist, bassist, drummer, and percussionists.

The Jazz Ensemble meets for one period every other day.

TECHNOLOGY

<u>AUTOMOTIVES</u>

LAND, SEA and AIR TRANSPORTATION (82500)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Prerequisite: None

This course will provide the student with the opportunity to explore how boats float, why planes fly and how automobiles get their power. Students will construct models to demonstrate how these devices work. Evaluation is based on homework, tests and class activities with the emphasis on quality and quantity of hands-on work. This course is designed for all students interested in transportation devices.

AUTO SERVICE (82600) (Basic Auto Repair)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Prerequisite: None



This activity-based course is an introductory course for automotive service. Activities and lessons will center on understanding the major systems and components of the automobile. Live work will be accomplished on student, faculty, or shop cars. Evaluation is based on assignments, tests, worksheets and hands-on work. Course emphasis will be placed giving the student many different auto repair scenarios and the proper methods, tool usage and economics of each repair.

BUILDING TRADES

FURNITURE AND CABINET MAKING (82700)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Prerequisite: None

Carpentry Systems will focus on furniture making and modern cabinetry making methods. Students will create a unique individual project of their own design, while learning traditional furniture making basic carpentry skills. Students with an artistic and creative flair are encouraged to take this course.

MODERN RESIDENTIAL STRUCTURES (82750)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Prerequisite: None

Modern Residential Structures will explore the initial planning, to final site completion of a residential dwelling. Students will design and construct models applying current building codes and design the parameters of their residential structure. Material selection for construction will highlight green technology and low environmental impact.

BUILDING TRADES (80700)

(Plumbing, Heating and Ventilation)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Prerequisite: None

Building Trades will explore the finishing steps to a residential structure which includes insulation, drywall, tile, flooring and all related sub-systems. Students will develop an understanding of the use of green materials for a sustainable product and their part in modern construction. In addition, students will learn how to make provisions for materials to complete finish work in a structure.

ELECTRICITY& ALTERNATIVE ENERGY (81700)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Prerequisite: None

College Credit: MCC Dual Enrollment

Electricity and Alternative Energy will provide students with an introduction to electricity, electrical circuits and alternative forms of energy including wind, solar and hydro. Students will construct electrical circuits to power electrical equipment of various designs. Green technologies will be explored. Conservation concepts such as reducing our demand on electrical consumption will be a focus of students' work.

Students who pass this course have been pre-approved to receive college credit for ELT 130 from Monroe Community College. They must co-register and pay tuition to MCC at a reduced rate. Forms and information will be available at the beginning of the school year.

TECHNOLOGY (Continued)

DESIGN, DRAWING and ENGINEERING

DESIGN AND DRAWING FOR PRODUCTION (DDP) (80600)

(This satisfies the Art/Music graduation requirements)

Grade(s): 9-12

Duration/Credit: Year - 1 Unit

Prerequisite: None

College Credit: MCC Dual Enrollment

This course is the starting point for all engineering students. By working through a variety of technical drawing problems and product design activities, students will master the output of 2-D drawings while creating 3-D solid models on the computer. Students will leave this class with a basic understanding of the manufactured world and the important communication role that designers and drafters have. All work is done on high performance computers using Autodesk Inventor software. Evaluation is based both on the quantity and quality of the drawings completed and the work is often self-paced. This course is a must for anyone interested in engineering, design, manufacturing or other technical careers.

Students who pass this course have been pre-approved to receive college credit for MET 101 (first year drafting) from Monroe Community College. They must co-register and pay tuition to MCC at a reduced rate. Forms and information will be available at the beginning of the school year.

*NOTE: This course may be used to fulfill the entire graduation requirement in art/music. Students should consult their counselor to discuss appropriate options.

INFORMATION TECHNOLOGIES

COMMUNICATION SYSTEMS (81800)

(This course can count toward an Arts credit towards graduation)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit

Prerequisite: None

This course is an activity based overview of the systems used to communicate today. Using the principles of design, students are introduced to Adobe Premiere Elements 4, Photoshop CS4 and Dreamweaver to produce projects such as magazine ads, photo albums, t-shirt designs, a television commercial and short film as well as a public service announcement for radio and a webpage. Evaluation will be primarily based on the quality of student work and some written work. This class is designed for anyone interested in the graphic arts or media industries.

GRAPHIC COMMUNICATIONS (83250)

(This course can count toward an Arts credit for graduation)

Grade(s): 9-12

Duration/Credit: Semester - 1/2 Unit **Prerequisite:** Communications Systems

This course is an exploration of the major media used for graphic design and communication in today's society. A major focus of this course will the planning, production and live broadcast of the IHS morning show. This daily event will provide students real world skills in television and studio production. Students will have the opportunity to work both in front of and behind the camera.

*NOTE: If you are considering a college or career path in Graphic Design or Media related professions, you will benefit by taking this course in conjunction with Graphic communications taught in the Technology Education Department and Studio in *Graphic Design taught in the Art department.*

*NOTE: One unit of credit, earned by taking both Communication Systems and Graphic Communications may be used to fulfill graduation requirements in art/music. Students should consult their counselor to discuss appropriate options.

WORLD LANGUAGE

WORLD LANGUAGES COURSE (54502)

Target Language for 2021-2022: Russian An innovative approach to language and culture

Grade(s): 9-12

Duration/Credit: Semester or Year - 1/2 Unit (course offering subject to enrollment and staffing)

This course is designed to give students and a "teachercoach" the opportunity to explore together, at an introductory level, a language and culture not taught in the regular modern language program. The "teacher-coach" will have the unique role of learning together with students. The course will have an inter-disciplinary approach, rather than a foreign language learning approach. Integration of other disciplines will be a major focus, as students explore the many aspects of the culture, history, art, music, economics, traditions, etc. of the language. This course may be offered on alternating days (ACE or BDS) throughout the year or everyday for one semester.



ADVANCED COURSES

ENGLISH

ENGLISH 9 ADV (00100)

Grade(s): 9

Duration/Credit: Year - 1 Unit

Level: Advanced

Prerequisite: English 8 and departmental recommendation

English 9A welcomes students capable of above average reading and writing skills. These students should easily understand the basics of grammar, spelling mechanics and sentence structure; be ready to challenge themselves to learn and practice more sophisticated sentence structure and vivid verbs; have the patience to examine their writing one sentence at a time and to revise papers numerous times; and be self-motivated readers who are willing to tackle difficult texts. Major works of literature may include The Odyssev, Of Mice and Men, A Separate Peace, Romeo and Juliet, and To Kill a Mockingbird, in addition to independent reading done outside of class. Students will also read, analyze, and discuss poems, essays, short stories, non-fiction selections and film. Students will engage in many rigorous reading and writing opportunities, as well as work independently and collaboratively.

SOCIAL STUDIES

WORLD HISTORY I ADV (20502)

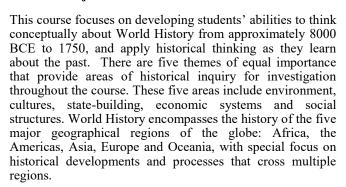
Grade(s): 9

Duration/ Credit: Year - 1 Unit

Level: Advanced

Prerequisite: Grade 8 Social Studies and teacher

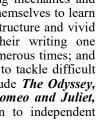
recommendation **Summer Project:** Yes



The program prepares students for intermediate and advanced college courses by gradually moving towards making similar cognitive demands upon students in order to foster their abilities to think like historians, most notably to analyze evidence about the past and to create persuasive historical arguments.

All course exams are locally developed and administered, including the Final Exam in June.









Irondequoit High School Community Values

Shared Purpose

Our goal is learning ~ helping each student to make the most of his or her talent and potential

Mutual Respect

We care about each other as human beings

Mutual Support

We help each other

Shared Pride

What we are doing is worthwhile and we celebrate our accomplishments

