

Guilderland High School

2012-13 Curriculum Handbook addendum

5174 Studio in Photography

Grade: 10, 11, 12 20 weeks
Exam: Local Offering: Full year
Reading Level: Average/High
Prerequisites: 80% Average in Arts Exploration or Studio Art and/or Teacher recommendation

This course will further explore visual communication through the use of the camera as a tool. Students will use both natural and artificial light as the medium. They will create a series of photographic works that pushes their conceptual ideas through advanced understanding of the Elements of Art and Principles of Design. Students will examine contemporary artists and the visual narratives they present in our global society. This course is designed for the serious art student seeking to create a digital photographic portfolio. Students will be expected to participate in project based- problem solving activities where creativity, innovation, responsibility, independence and self-directed learning will be explored. At the end of this course students will be able to; demonstrate critical and higher order thinking skills; execute and solve problems through the creative process; articulate and communicate their personal expression in the visual arts; identify various artist styles and art historical periods; prepare, present and display finished art work.

7773 Advanced Photoshop

Grade: 10, 11, 12 20 weeks
Exam: Local Offering: Full year
Reading Level: Average/High
Prerequisites: 80% Average in Arts Exploration or Studio Art and/or Teacher recommendation

This course will further explore the elements of the Adobe software program Photoshop. Students will be able to work on refining and creating imagery from Introduction to Photoshop to create a series of works. It is expected that students will have a working knowledge of Adobe Photoshop CS4 and demonstrate a n understanding of Visual and Digital Literacy skills. Students will continue to explore the world around them though historical and contemporary artists and movements. At the end of this course students will be able to; demonstrate critical and higher order thinking skills; execute and solve problems through the creative process; articulate and communicate their personal expression in the visual arts; identify various artist styles and art historical periods; prepare, present and display finished art work. All students must maintain an electronic portfolio.

3075 Global Environment

Grade: 11, 12 40 weeks
Exam: SUNY ESF exam Offering: Full year
Reading Level: High
Prerequisites: Regents Earth Sci., Biology, & Chemistry

Students will understand the complex scientific and social issues behind the headlines so they can make informed decisions on environmental issues. Students explore the relationships between their local rural, urban, and suburban communities and the broad global context of environmental change. Students will study varied topics such as pollution, deforestation, climate change, acid rain, soil depletion, economics, evolution, history, and social justice. The course approaches topics in a science, base-systems approach so that students can develop and strengthen their problem solving skills. The course is offered through the SUNY College of Environmental Science and Forestry (ESF) and is worth 3 college credits.

3200 (AP) Advanced Placement Physics

Grade: 11, 12 40 Weeks
Offering: Full Year Reading Level: High
Exam: AP exam & Regents Physics Exam
Prerequisites: Honors Chemistry and Teacher Recommendation

AP Physics B provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem-solving ability. It is designed to be comparable to a first year non-calculus based college physics course. This course will cover the same topics as Regents and honors physics, plus additional topics such as rotational motion, oscillations, thermal physics, capacitance, induction, and fluid mechanics. Students must take the AP exam as part of this course. (Approximate test fee \$87)

0522 Broadcast Journalism

Grades: 10,11,12 40 weeks
Exam: Local Reading Level: Average
Offering: split block (1/2 year credit)
Prerequisites: None

Students will work to produce a daily newscast, the GHS Reporter, that runs live during our Homeroom period. In addition to generating story ideas relating to the school and community, students will learn how to write interview questions, write a news story using several sources, determine visuals that will enhance the story for the television audience, and use digital technology to pull it all together. Students will also learn to write effective news stories to be read from the anchor desk, taking advantage of print and digital sources to fill our Headlines, Sports, Local News and Entertainment segments.