

Welcome Students & Parents/Guardians

Class of 2028



Agenda

1. Guidance Counselor Assignment
2. Sample 9th Grade Schedule
3. Course Catalog
4. Google Form
5. Questions

Guidance Counselors

Counselor	Student's Last Name	Contact Email
Ms. Orlando	A-Dia	orlando.a@beaconk12.org
Mrs. Morales	Dib-Lin	morales.sh@beaconk12.org
Ms. Polhamus	Lio-Rob	polhamus.m@beaconk12.org
Ms. Arghiere	Roc-Z	smith.daw@beaconk12.org

Sample 9th Grade Schedule

Period	Subject Area	Course Name
1	English (required)	English 9 or English 9 Honors
2	Social Studies (required)	Global I or Global I Honors
3	Math (required)	Algebra or Geometry Regents
4	Science (required)	Living Environment, Earth Science or Chemistry Regents
5	Physical Education (required)	Physical Education 9
6	Foreign Language (required)	Spanish or Italian
7	Lunch	Lunch
8	Elective	See list of electives.
9	Elective	See list of electives.

If a student enrolls in a semester-long elective during Semester 1, they will take another semester-long elective Semester 2

Course Catalog

Review the Course Catalog prior to selecting the elective classes.



Google Form

- Students will access the google form via their school email
- Submit by **Wednesday, April 17th**
- Email your respective counselor with questions
- Choose alternate electives





Beacon High School



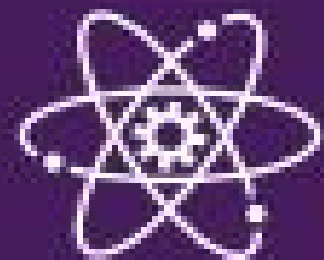
Electives 2024-2025





CHORUS IS FOR SINGING
AND BEING SUPPORTIVE





Program Design and Development

- Create programs using procedural, event-driven and object-oriented programming (OOP) paradigms
- Design a user interface (UI) based on human-computer interaction (HCI) principles
- Use image processing to control program flow and vehicle movement
- Debug and test code

Interpretation of Documentation

- Create task reflection with the Interpreted Performance Guide
- Create task reflection with the Interpreted Performance Guide Response Template
- Use application programming interfaces (APIs)

Programming Languages

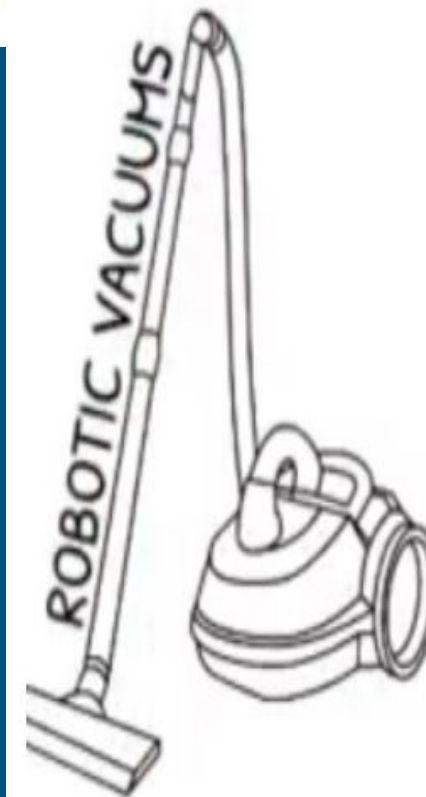
- MIT App Inventor based on Blockly
- VEX® Coding Studio based on RobotC
- Python®
- HTML/CSS

Tools and Software

- MIT App Inventor based on Blockly
- VEX® Coding Studio based on RobotC
- Cloud9

Professional Skills

- Pair Programming
- Agile Project Development/Scrum
- Accountability to a team
- Collaboration on design and implementation
- Presentation/Communication
- Public Speaking
- Ethics



PUSH
START

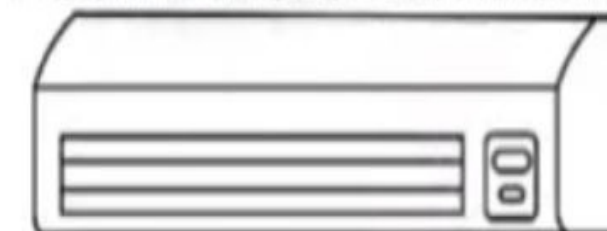
SELF-DRIVING
CARS

Computer Science is
EVERYWHERE!

And in our every day routines!
It's all about what the code
results in that makes
someone's life better!



PROGRAMMING HOME ENVIRONMENT



HOSPITAL MACHINES ARE PROGRAMMED





BHS CONCERT BAND

Teacher: Mrs. Ryan-Ferry
Full Year Course

- ★ Experience rehearsing high-school level music with fellow students daily
 - ★ Perform in:
 - Three yearly concerts
 - Parades
 - Opportunities to perform with the jazz band, pit orchestra, and pep band
 - ★ Prerequisite: Two years of instrumental performance (in a school or private lesson setting)
-



DRAMA



Drama focuses on developing students' understanding and appreciation of theater as an art form. Through units that are structured around the chronology of theater's various eras (in addition to frequent hands-on performances) students will explore all of the fundamental elements of drama, gain insight into theatrical history and styles, and engage in a wide variety of types of creative dramatic productions and analysis thereof.



Do you like to learn outside? Are you interested in nature? Do you want to go on a trip to the Hudson River and study water quality and catch fish? Do you want to learn to identify trees and birds and care for butterflies and a garden? Are you concerned about invasive and endangered species?



Take Field Biology with Ms. Rider!

In this half year science elective you'll study the niche of the NYS plants and animals that make up our Hudson Valley ecosystem and take civic action to protect their habitats.



Ms. Thomas

Forensic Science



Topics Covered

1. Observational Skills
2. Crime-Scene Investigation and Evidence Collection
3. Fingerprints
4. DNA Fingerprinting
5. Blood and Blood Spatter
6. Ballistics
7. Drug identification and Toxicology
8. Handwriting Analysis,
9. Death: Meaning, Manner, Mechanism, Cause, and Time



Just the Facts

- Half year introductory course for all levels
- Explore how scientific principles are used in analyzing physical evidence found at crime scenes
- Be introduced to the wide array of career choices in forensics
- Analyze crime scene evidence through hands-on labs
- Bring CSI into the classroom
- BPD presentations

Forensic Science: Fun with Physical Evidence!

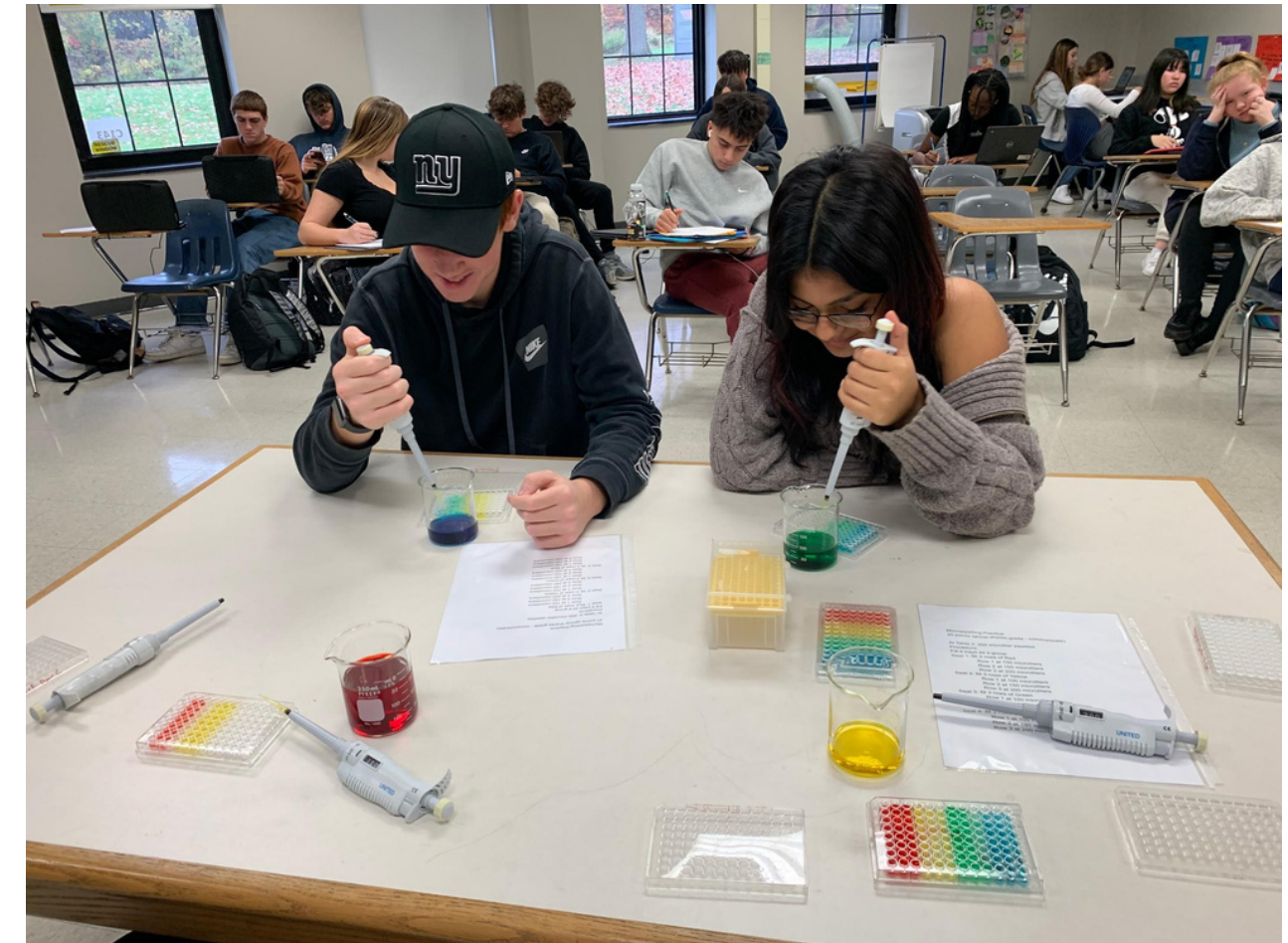


Dust for fingerprints!

Come learn about CSI and practice the skills of a forensic scientist in this



Make and measure



Micropipette for Gel Electrophoresis!



Want to learn how to play Guitar???

Take Guitar 1 and if
you like it take Guitar
2

Beginner Class (Guitar 1)
BHS supplies the guitar
We play guitar every day
No long fingernails please
Guitar, guitar, guitar...shred!



HANDS ON CHEMISTRY



Explore the World of Chemistry

An introduction to the intriguing realm of chemistry. Explore many concepts through experiments and activities that will fascinate you and help connect theory to real world applications.

INTRODUCTION TO OCCUPATIONS

This course is designed to allow students to explore a variety of careers and occupations. Students will research the requirements and skills needed for a specific field; and learn about the job application process, job interview procedures, and workplace expectations. Students will also explore the alternative to a 4-year college.



Marine Biology w/Marinaccio

What's a day in Marine Bio like?

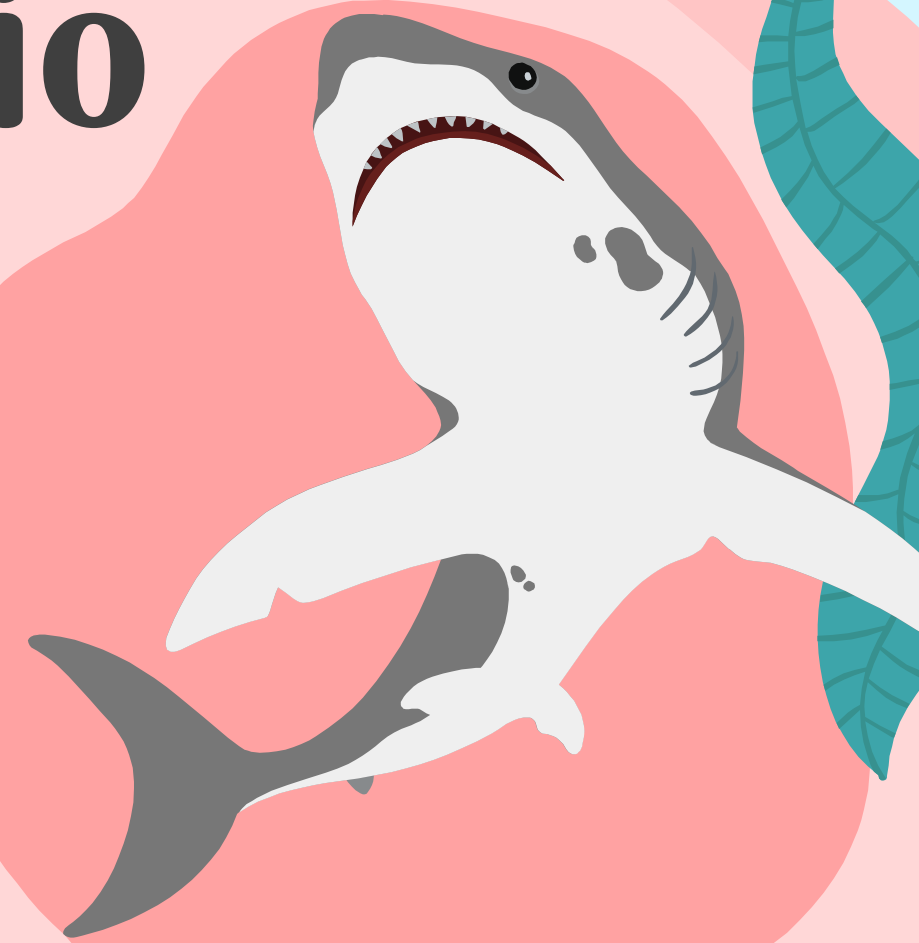
- ★ There's always a Do Now
- ★ Once a week notes, sometimes twice a week
- ★ Homework is when you don't finish work in class

Activities:

- ★ 1-4 dissections, with the option to not dissect
 - Virtual Dissections required
- ★ Coloring. Lots of it!
- ★ Stations, posters, group work, repeat
- ★ Intense Buzzer game (as long as buzzers last).

Student Quotes:

- ★ "Class is fun, but expect to do work" B. Anderson
- ★ "I had fun. Sad to leave." J. Thomas
- ★ "One of the best electives" Z. Kasem



Music Production Class

Want to learn how to make music with a computer?

Want to learn how music is recorded in a studio?

Want to spend 1 period every day doing something creative with music?

Music production is a fun class taught in a computer lab

You will make all kinds of musical projects

We visit a real music recording studio on a field trip

Learn something about the music business, who knows where it will take you?



Music Theory Class

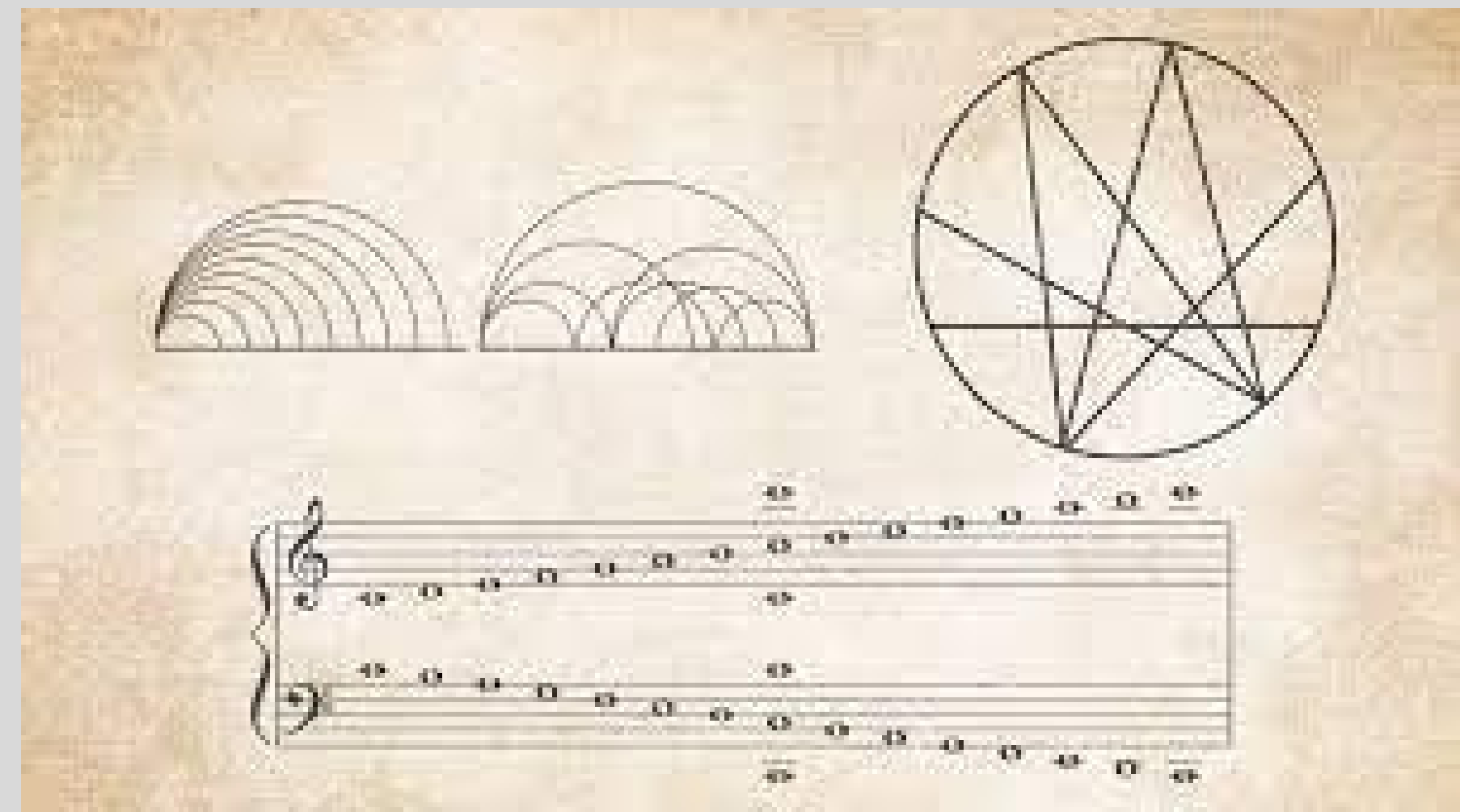
Want to:

Learn how to read music?

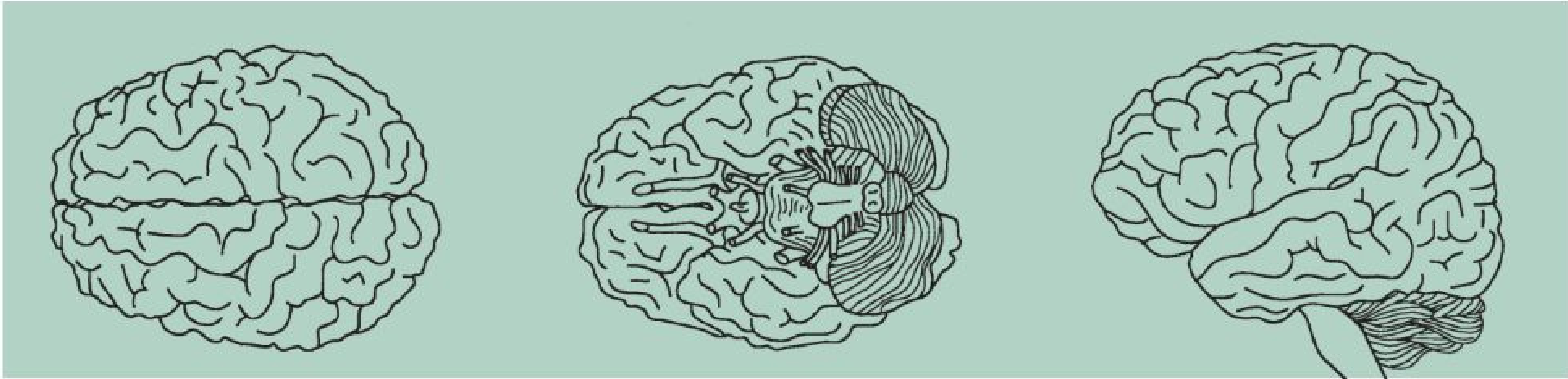
Learn how to write music?

Be able to name and define every mysterious marking on a piece of music? Take A.P. Music Theory someday?

Then this is the class for you. Learn music theory in a non-scary way. Be prepared to write a lot of music notes and a lot of other things - every day.



Principles of Neuroscience



How can a 3 pound lump of jelly like tissue contemplate the meaning of infinity and experience the many sensations we all experience?

Why do we dream? How can our behavior be explained by movement of molecules in our body?

That's what we do in Neuro, we explore human behavior as a function of the structural stuff that we are all made of. It's fun.

Beacon Science Research

BENEFITS OF PARTICIPATION

Graduate from college in a shorter time frame.

- Earn college credit for approved courses while still in high school.

Save money.

- A much less expensive program fee is paid, not tuition.
- A 3 credit class costs around \$1,000 at the University at Albany, which is lower than most institutions. The cost of the same course through the UHS program is \$160 (or \$80 for those who qualify for free or reduced lunch).

Enjoy smaller class sizes.

Explore your area of academic interest before deciding to major or minor.

Testing not required beyond the course requirements in order to receive credit.

- This option may be particularly useful for students who do not do their best work on standardized tests.
- UHS courses allow more time for course study without the need to prepare or pay for additional testing.

UHS courses transfer to colleges and universities throughout the United States and beyond.*

Benefits of Personal Growth:

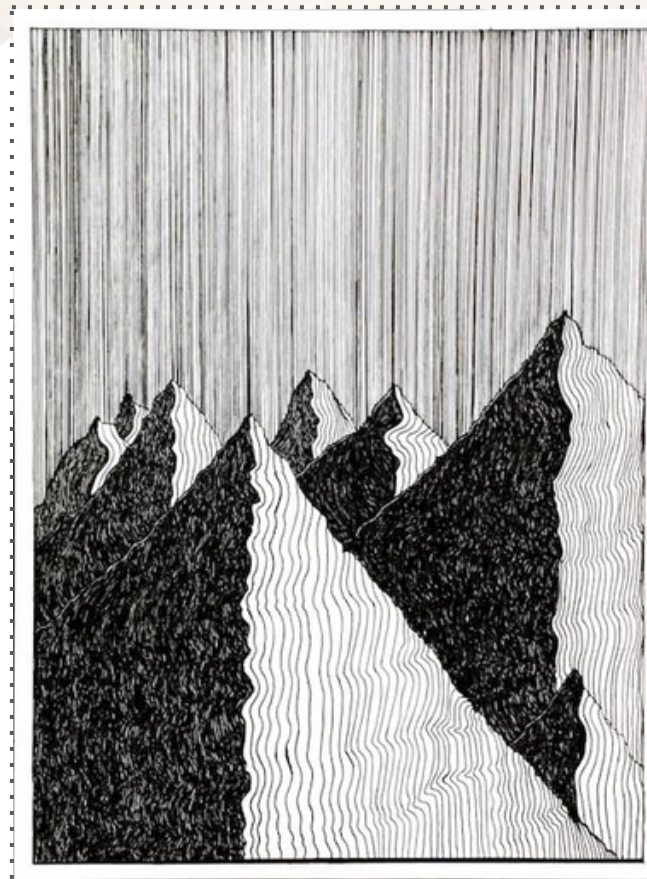
- Independent study
- Goal setting
- Focus on passion for learning
- Organization
- Writing will improve
- Presentation skills
- Collaborative work
- Apply your knowledge
- Annual symposium showcases students work

Beacon High School Studio Art Program

2023-24 Mrs. Charter

This course is designed for students beginning their study of art at the high school level and a requirement for graduation. Studio Art will focus on fundamental drawing skills, color theory, and basic concepts, media, and techniques. This course will expose students to a variety of art making processes and periods of art history to further develop the skills for further art study.

Our art classroom will be a safe place where there is collaboration, mutual respect, and creativity each day.



Textiles/ *Fashion I &II* Class

In this class we will explore the fashion world. Learning how to draw and create fashion. We will also learn how to use the sewing machine.





Theatre Production

- All the world is a stage, someone has to build the set and light it!
- This course will expose students to the multi-faceted world of theater and focus on the behind-the-scene jobs: set design, lighting design, costume design, house management, advertising, writing, directing and stage management.
- This is not a performance-based class, but you will need to engage your creativity!

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▶ SUBSCRIBE

TV Prod 1 & 2/Videogame Design/New Media

THANK YOU
thank you
SO MUCH!
so much