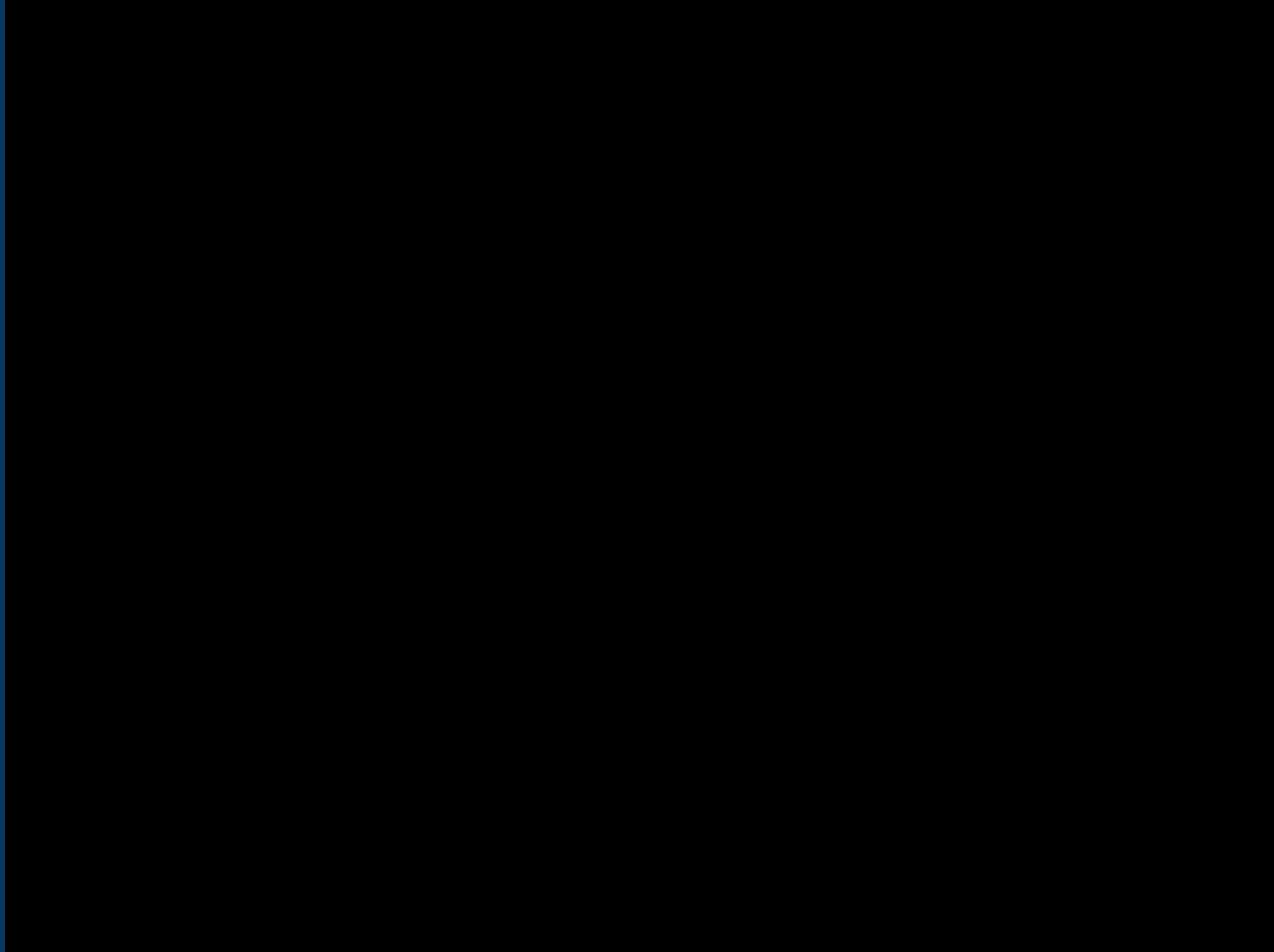




Welcome to
ABRHS

February 7, 2024



Tonight's Presentation

- High School Welcome
- Department Presentations
- Athletics and Activities Overview
- Student Experiences
- Questions & Answers
- Departmental Tables

Transition to High School



Maurin O'Grady

Associate Principal

Tina Vanasse

*Director of
Administration & Planning*

Upcoming Dates

End of February	Email with Information about Transition to 9th Grade JHS Counselors meet with 8th grade classes
Early March	JH Teachers make course recommendations
March 15	HS Portal for Registration opens for Class of 2028
June	8th Grade Tours of the High School
Mid-August	Welcome Letter and Schedules Released
August 28	9th Grade Orientation Day

Todd Chicko

Counseling/Psychological Services

tchicko@abschools.org

Sarah Turner

Special Education

sturner@abschools.org

General Education Supports

Academic Success Centers	Academic support for students requiring short-term intervention in content and executive functioning skills, per counselor referral
Adjustment Counselors	Individualized support for students presenting with social-emotional challenges
Consultation with Specialists	Observation by and teacher consultation with specialists in speech and language, reading, psychology etc
Instructional Support Team	Pre-referral team; meets biweekly to discuss student cases
Alternative Curriculum Center	Small group, self-contained alternative program
STAR Center	Short-term academic and therapeutic transition program designed to support students as they return to school following extended, medically related absences
Multilingual Education	Educational programming for multilingual students with the goal of developing English language proficiency while learning content-area knowledge

ABRHS Special Education

SECONDARY PROGRAMS		
	RJ Grey	ABRHS
<i>Learning Center Programs</i>	7-8	9-12 (6 Programs)
<i>Specialized Programs</i>	STEP LAB Compass Connections	ODP/PACE Horizons Compass 1 and 2 Connections 1 and 2

ABRHS Special Education

RELATED SERVICES

Speech and Language

Social-Pragmatics

Reading

Counseling

Occupational Therapy

Physical Therapy

Vision Services

Behavior Analysis and Support

Assistive Technology

Augmentative and Alternative Communication

George Arsenault

Performing Arts

garsenault@abschools.org



ABRHS Music Department

Before the Parade Passes By
Jerry Herman

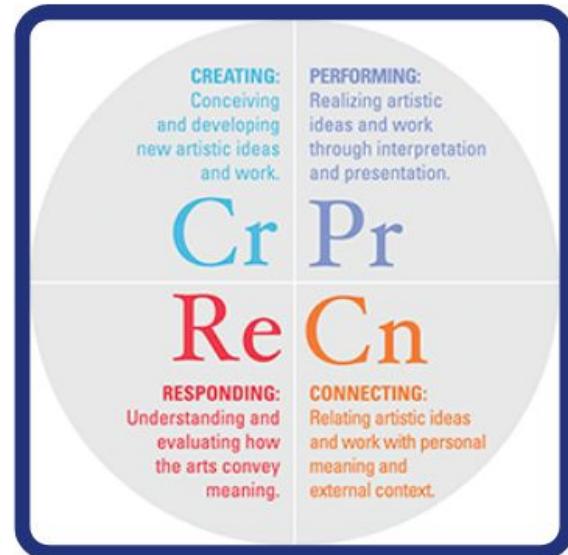


AB Performing Arts

Creating Performing Responding Connecting

AB Performing Arts courses are all designed with the Artistic Process as their guiding principle.

Valuable learning inside and outside of the school day.



AB Performing Arts

Creating Performing Responding Connecting



F.A.Q.

- Is there homework?
- Are these classes only for students pursuing a career in the arts?
- Are new students welcome?
- What is the time commitment?
- Can my student do other things (sports/clubs/homework)?



Music Performance

Instrumental

Orchestra
Band
Color Guard

Vocal

Chamber Choir
*Bella Voce
*Madrigals

Applied Music Classes

Ukulele & Piano
Electronic Music
Music in Film

Music Parents Association

www.abfom.org



Theater Courses

- Acting I
 - every other day - full year
- Improv
 - every other day - full year
- Public Speaking
 - every other day - full year
- Pop Culture and the Art of Design
 - every other day - full year



Proscenium Circus

AB's Award Winning Co-Curricular Drama Club



www.abdrama.org

For questions, upcoming performance dates, and more program information, please visit:

performingarts.abschools.org



Jennifer Moss
Chorus
jmoss@abschools.org



Katherine Greene
Orchestra
kgreen@abschools.org



Michael Soo
Band
msoo@abschools.org



Maggie Maguire
Theater
mmaguire@abschools.org



George Arsenault
Director of Performing Arts
Band
garsenault@abschools.org



Kristen Dye
Band
kdye@abschools.org



PROSCENIUM CIRCUS



Student Experience

Cathy Foster

World Language

cfoster@abschools.org

World Languages

“One language sets you in a corridor for life. Two languages open every door along the way.”

— Frank Smith

Bonjour!

Muy
Buenas
Noches!



Salve!

Ni Hao!

World Language Course Offerings

Novice French I

Novice French II

Intermediate French I

Intermediate French II

Intermediate French III

Intermediate French IV

Novice Spanish I

Novice Spanish II

Intermediate Spanish I

Intermediate Spanish II

Intermediate Spanish III

Intermediate Spanish IV

Novice Latin I

Intermediate Latin I

Intermediate Latin II

Latin Literature Honors

Novice Chinese I

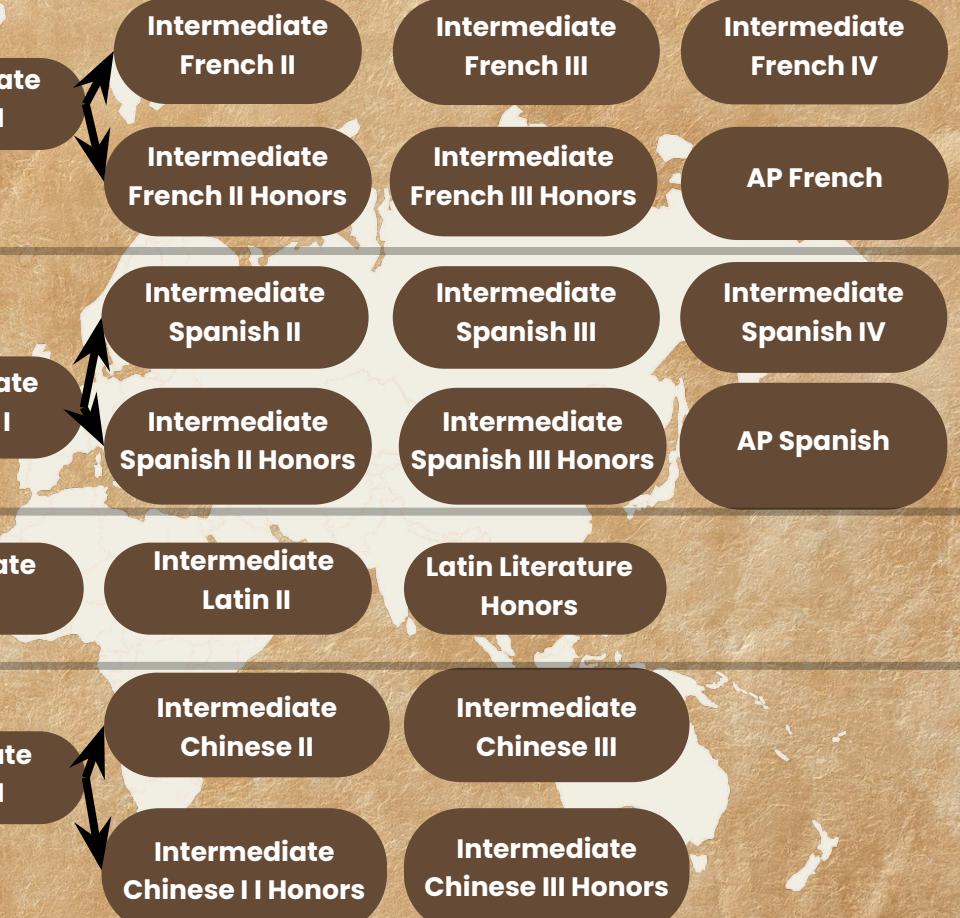
Intermediate Chinese I

Intermediate Chinese II

Intermediate Chinese III

Intermediate Chinese II Honors

Intermediate Chinese III Honors



Why Learn a Language?

Learning another language:

01

Increases your employment potential and college choices

02

Increases native ability

03

Increases your global understanding

04

Makes travel easier and more fun

05

Increases creativity, problem solving and listening skills

...and it's fun!



Educational Philosophy

The study of a language that is not our own provides new opportunities to communicate with speakers of other languages, understand how others think and express their thoughts, perceive the world around us differently, and enhance our appreciation and understanding of ourselves and of others.

Because of the unique rewards of this discipline, we believe:

- all students should become proficient in at least one language other than English
- language learning is a **lifelong undertaking** (ideally beginning in elementary school and continuing beyond high school)
- the study of language **cannot be separated from the study of its culture**, including daily living, history, literature, and the arts
- there are **natural connections** between the study of language and other disciplines
- language learners **should interact with other speakers** of the language locally and globally

Our philosophy parallels that of the Massachusetts Foreign Languages Curriculum Framework and the national Standards for Foreign Language Learning.



Objectives

All students of modern languages should:

- develop proficiency in the target language through listening, reading, viewing, speaking, writing, and presenting in the target language
- develop an understanding of the target culture: its daily life, history, literature, arts, mathematics, and science
- develop insight into languages and cultures through comparison and contrast
- acquire information in and make connections with other disciplines such as the arts, English, history, and social studies
- communicate with local and international speakers of the language
- develop critical and creative thinking, organizational, cooperative, and study skills
- use technology as a tool for communicating, developing language skills, and accessing authentic cultural material from around the world





Flow?



Interpretive Skills

learners understand and analyze using one-way communication of listening and reading

Interpersonal Skills

learners interact and negotiate meaning in two-way communication

Presentational Skills

learners present concepts and ideas using one-way communication of speaking and writing

Sony World Language Lab



- Simulates test environment for the Seal of Biliteracy exam and AP exams
- Specifically designed technology that allows for simulated conversations that push students to go beyond their current level of proficiency; key component of both the Seal and AP exams
- Allow for meaningful, timely feedback in small groups and one-on-one

Seal of Biliteracy

- Open to students studying the languages we teach AND students who speak any other language at home
- Statewide recognition of the work our students have done to earn a proficiency level of Intermediate High or above
- Offered to students in their senior year at ABRHS
- Encouraged for ALL students at ALL levels of study!



*Beyond the
classroom...*

World Cultures Week

- Opportunity to celebrate the diversity of the languages and cultures our department represents as well as the diversity of our A-B community
- Cultural events during and after school led by students, parents and faculty volunteers



David Baumritter

Science

dbaumritter@abschools.org

Science Full Year Classes

9th grade	10th grade	11th grade	12th grade		
AP Environmental Sci H Environmental Sci Environmental Sci	AP Biology H Biology Biology	AP Chemistry H Chemistry Chemistry	AP Physics H Physics Physics		
AP Environmental Science			AP Biology AP Chemistry		

Science Electives

9th grade	10th grade	11th grade	12th grade
Science Research (Alt)			
Science Academic Support (Alt)			
			Anatomy & Physiology (Sem)
			Bioethics (Sem)
			Marine Biology (Sem)
			Project Based Engineering (Sem)

9th Grade Science Courses

Full Year Courses	Electives (Alt Day)
AP Environmental Science	Science Research
H Environmental Science	Science Academic Support
Environmental Science	

Science Practices

SCIENCE & ENGINEERING PRACTICES



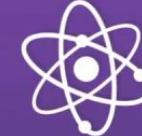
Asking Questions



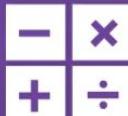
Planning and
Carrying Out
Investigations



Analyzing and
Interpreting Data



Developing and
Using Models



Using Mathematics
and Computational
Thinking



Constructing
Explanations

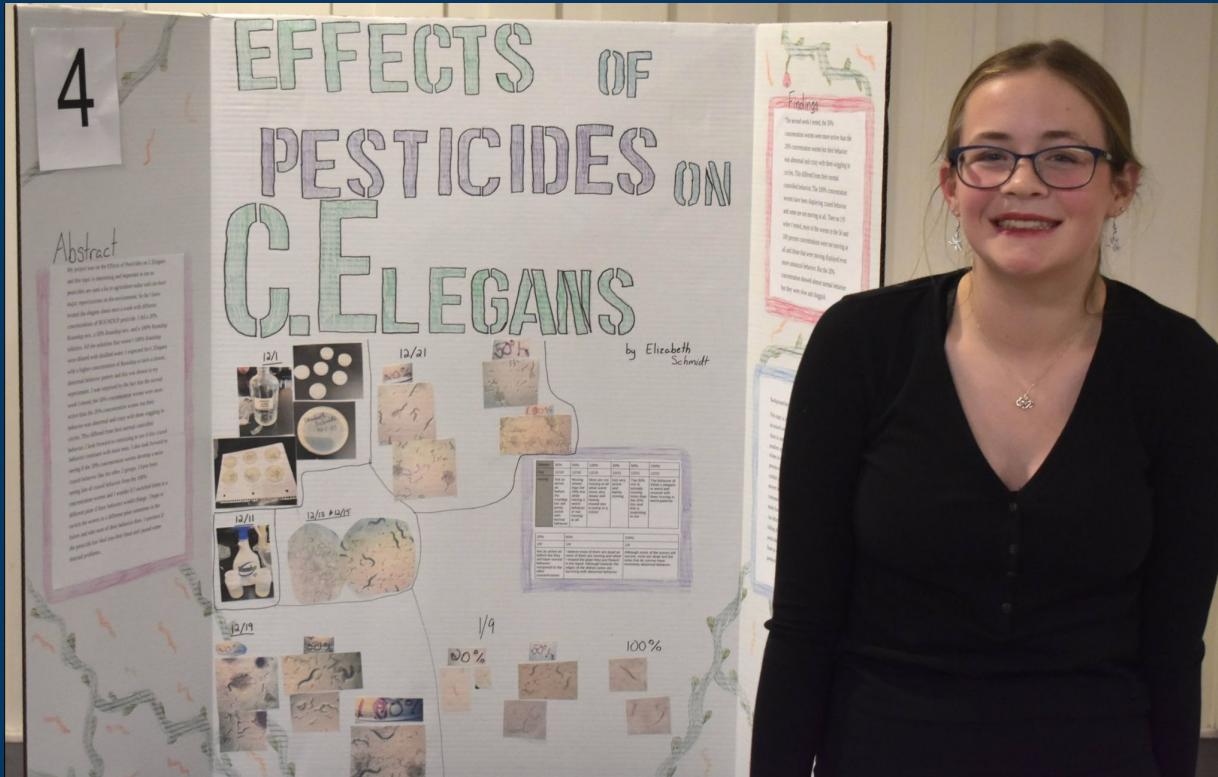


Engaging in
Argument from
Evidence



Obtaining, Evaluating
& Communicating
Information

Science Practices



George Arsenault
Health/Physical Education
garsenault@abschools.org



Acton-Boxborough Regional High School

Physical Education / Health Education

Grade 9 Teachers:

Mrs. Parindar Miller (PE liaison)

Ms. Suzanne Hoag, Mr. Mike Morris, Mr. Mike Oksanish

Physical and Health Education Goal

The goal of Physical and Health Education is to encourage all students to participate and develop an interest in physical activities with an emphasis on physical fitness and healthy lifestyle choices.

Grade 9 - Fitness for Living- Physical/Health Education

Full year course, meets alternate days, 2.5 credits

Fitness for Living is a year-long course that is broken down into four terms;

Term 1.) Lifetime Fitness activities- Fitness center

Term 2.) Indoor games and fitness-Stearns gym

Term 3.) Health Education-Classroom 129E

Term 4.) Swimming / Water Activities and Outdoor games/activities

Outdoor sports may include tennis, softball, ultimate frisbee, flag football, capture the flag, backyard games, and soccer. Indoor options may include table tennis, archery, volleyball, tchoukball, badminton, speed ball, basketball, and floor hockey.

9th Grade Health Topics

1. Avoiding risks from harmful habits
2. Brain injury
3. Drug education, including tobacco, alcohol and other drugs
4. Human Sexuality and healthy relationships, including sexually-transmitted diseases, contraception choices, choosing abstinence, sexual orientation and harassment, sexual violence prevention, and bullying
5. Mental Health- Signs of suicide and depression
6. Nutrition and Eating Disorders
7. Safety, Basic First Aid, Hands Only CPR
8. Stress management, including yoga, dance, and meditation

Student Experience

Jessica Carabellese

Math

jcarabellese@abschools.org

Math philosophy

The ABRHS mathematics department seeks to engage students in meaningful mathematics that develops conceptual understanding of math principles, strategies, formulas and applications.

The math curriculum follows closely with the MA Curriculum Standards. Lessons and activities are designed to engage students in the 8 math practice standards.



Math course selection

**In grade 8,
your student took:**

Math 8



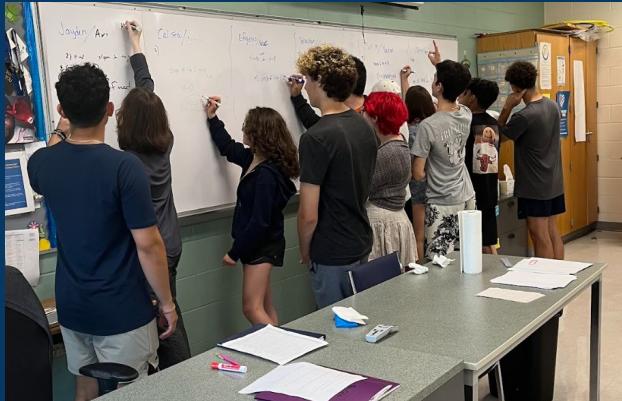
**In grade 9,
your student will take:**

Algebra I

Algebra I

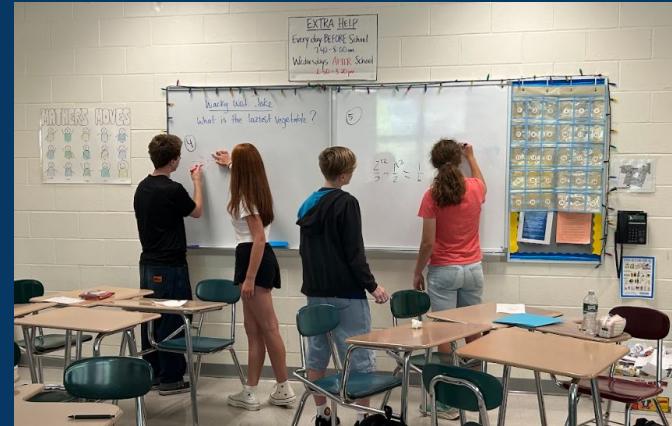
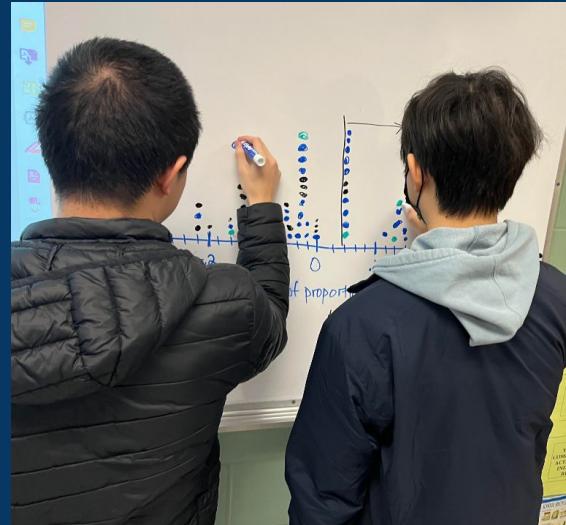


Geometry



Algebra I goals

1. Collaborate and communicate
2. Make sense of problems and persevere
3. Reason & model mathematically
4. Analyze authentic situations
5. Attend to precision



Geometry goals

1. Construct viable arguments and critique the reasoning of others
2. Develop logical, deductive reasoning
3. Look for and make use of structure
4. Analyze authentic situations
5. Understand the relationship with Algebra
6. Use appropriate tools & methods strategically



Math electives

Grades 9-12

Exploring Computer Science

Grades 11-12

Statistics & Probability

Accounting, Consumer Math

Grade 12

Introduction to Java

Computer Science



Clubs

AB CompSci

Academic
Decathlon

Data Science

He(r) + Math

Invest in Girls

Math Team

Common math pathways and electives

	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Pathway 1:	Geometry	Algebra II	PreCalculus	Calculus
Pathway 2:	Algebra I	Geometry	Algebra II	PreCalculus
Pathway 3:	Algebra I Part I	Algebra I Part II	Geometry	Algebra II

Exploring Computer Science

Statistics & Probability,

Accounting, Consumer Math

Java Programming
& Computer Sci.

Math FAQ

ABS/BS Incoming 9th Grade Parent/Guardian Orientation

Frequently Asked Questions 2024

Mathematics

What math classes are offered for students in grade 9?

- If your student took grade 8 Math, they will likely take "Algebra I Part I", "Algebra I", or "Algebra I".
- If your student took grade 8 Geometry, they will likely take "Geometry" or "Geometry II". If your student completed the first year of Algebra I class, they may be encouraged to take "Algebra I Part II" in grade 9 to continue developing their foundation in Algebra.

What is the difference between math levels?

- Signature math courses are designed for college math courses. Additional supports and resources are provided, along with comprehensive in-class reviews for each unit.
- Honors math courses are designed for high math students who can work more independently and learn new concepts quickly. Honors level courses provide less teacher directed in-class reviews and assessments and assess on more unique / nonroutine problems and applications than the signature courses.

What is the difference between grades 9 "Algebra I" and grade 9 "Algebra I"?

- "Algebra I" covers the additional topics of real numbers and properties of the real numbers, more advanced algebraic word problems, the solution of quadratics evaluated by completing the square and the quadratic formula, more extensive work with radicals, graph of quadratic functions, exponential and logarithmic functions, word problems, introductory linear, quadratic, and exponential functions, and word problems involving absolute value, exponents, and quadratic graphs.
- "Algebra I" includes a review before assessments of previously learned concepts and skills, as well as a review in case of a review before assessments for students who are more directly assessed on Algebra I in a class for students with learning challenges from junior high math classes or are ready for a more theoretical approach to Algebra I.

How does grade 9 Algebra I compare to grade 9 Algebra I?

- Grade 9 Algebra I compares in scope and sequence to Algebra I at the high school. The high school Algebra I curriculum covers the additional topics of factoring polynomials of the real numbers, more advanced algebraic word problems, the solution of quadratics evaluated by completing the square and more advanced work with radicals, introductory work with Statistics, as well as Transformations of Linear, Quadratic, Absolute Value, Exponential, and Quadratic Graphs. These factors may lend Algebra I to being more challenging than grade 8 Algebra I.

My student is in Math 8 and has been recommended for Algebra I. Is there a way for them to take Geometry in grade 9 instead?

- The Math 8 curriculum does not cover the pre-requisite content and skills of Algebra necessary for success in Algebra I.
- In Math 8, my student may not take the school Algebra class to advance to Geometry due to the District's "No promotion policy". All students must successfully complete a year of Algebra during the typical school year before taking Geometry.

If my student takes a signature level class, is there a way to take H math in later years?

- Yes. With strong achievement in class and/or summer study, students may move between levels from one school year to another. The Program of Studies will detail specific requirements for courses.

Within each pathway, students have two levels between from year to year. For some pathways, there are three sequences by grade 12.

Grade 11	Grade 12	Acceleration?
PreCalculus / AP Calculus	BC Calculus AP	no
Algebra II	AP Calculus AP	
Algebra II	Calculus	

Within each pathway, students have two levels between from year to year. For some pathways, there are three sequences by grade 12.

Grade 11	Grade 12	Acceleration?
PreCalculus / AP Calculus	BC Calculus AP	no
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Algebra II	Calculus	

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Grade 11	Grade 12	Acceleration?
PreCalculus / AP Calculus	BC Calculus AP	no
Algebra II	AP Calculus AP	
Algebra II	Calculus	

Leader: jcarabellese@abschools.org

Math Department Leader

Jessica Carabellese

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Dianne Telicki

English

dtelicki@abschools.org



ENGLISH 1

ABRHS 2024-2025



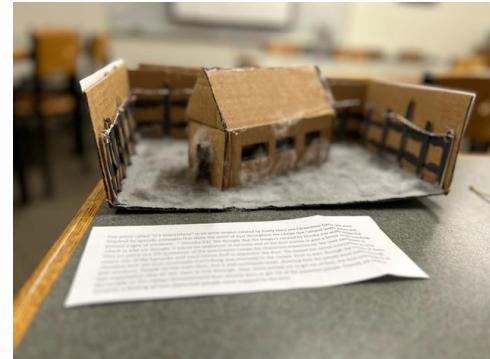
GUIDING PRINCIPLES

Our mission is to help students develop skill and confidence in these three areas:

- 1) **Critical thinking.** Students learn to react thoughtfully to texts. They inquire, research, analyze and propose and defend arguments about abstract ideas as well as moral and ethical issues emerging from texts of all kinds.
- 2) **Communication.** Students learn to communicate meaningfully in written and spoken discourse. Effective communication skills include mastery of narrative and argumentative structure, sentence construction, tone, and grammar as well as sharing and responding to ideas and perspectives during class discussions.
- 3) **Awareness.** Students develop their awareness of the individual and others on a local and global scale, finding connections and building empathy with those unlike themselves.

ESSENTIAL SKILLS

- **Reading, Writing, Speaking & Listening**
 - Grammar & Conventions
- **Massachusetts ELA Framework**
- **Sequence of skills covered in all English 1 classes**



Examples of Reading Skills

- Determine the theme/message of a literary work
- Identify how literary elements of the author's style create meaning
- Develop preferences and identities as readers

Examples of Writing Skills

- Demonstrate awareness of audience and purpose
- Articulate how an author writes to convey theme/message
- Use clear and intentional organization

Examples of Speaking & Listening Skills

- Develop questions for discussion and facilitate those discussions
- Build on peer's ideas to move a discussion forward

CURRICULUM

English 1: The Purpose and Power of Stories



***What do stories teach us about
ourselves and our world?***

Judgment & Understanding

Temptation & Endurance

Friendship & Isolation

Autonomy & Responsibility

Conflict & Reflection

Purpose & Choice

Self & Community

REPRESENTATIVE WORKS

Of Mice and Men

Romeo & Juliet

Fahrenheit 451

To Kill a Mockingbird

Just Mercy

The Odyssey

The House on Mango Street

Clap When You Land

Night

A Tale of Two Cities



MORE INFORMATION



[ABRHS English Page](#)
[Frequently Asked Questions](#)

George Arsenault

Visual Arts

garsenault@abschools.org

Visual Arts



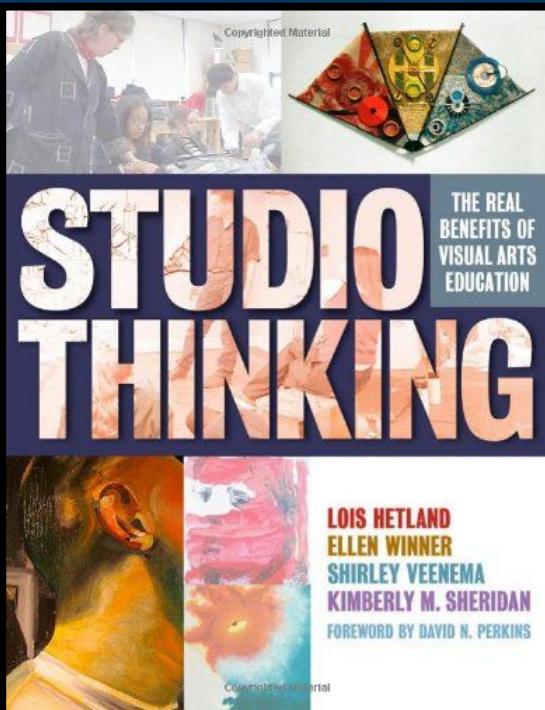
@ ABRHS

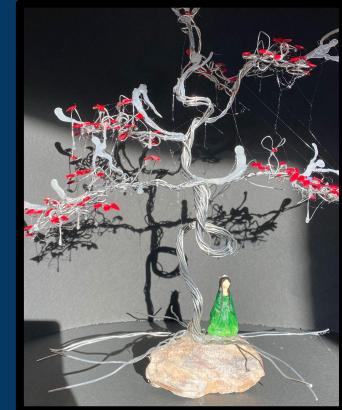
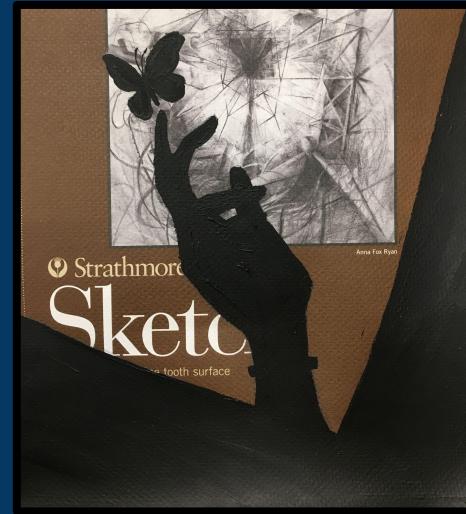
Why Visual Arts?

- Visual Literacy
- Social & Emotional Wellbeing
- Creative Problem Solving
- Perseverance
- Collaboration
- Pursue Your Passions



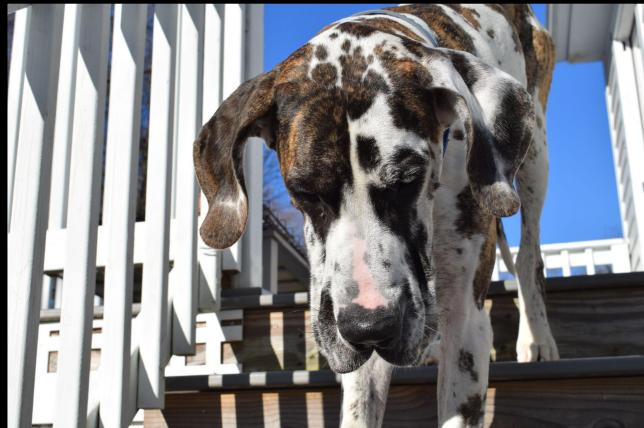
The AB Visual Arts curriculum is Designed with the Studio Habits of Mind as our central philosophy





STUDIO ART 1 & 2

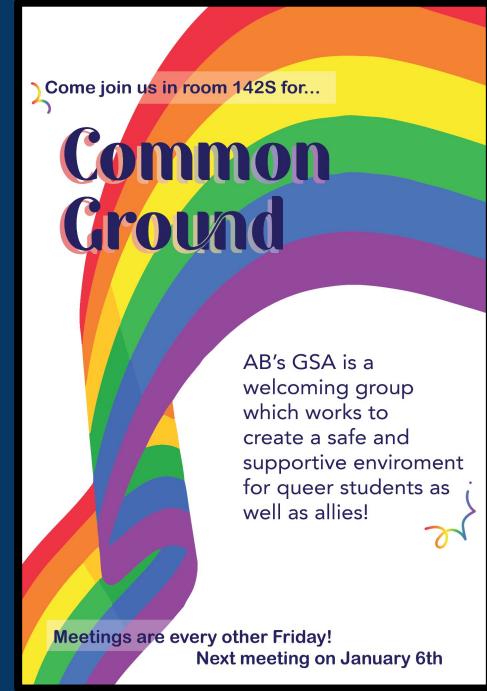
Grades 9-12 Semester Courses 2.5 Credits Meets Everyday



Intro to Photography

(Darkroom & Digital)

Grades 9-12 Semester Courses 2.5 credits Meets Everyday



GRAPHIC DESIGN I & II

Grades 9-12 Semester Courses 1.25 credits Alternating Days



ART HISTORY

Grades 9-12 Semester Courses 2.5 Credits Meets Everyday

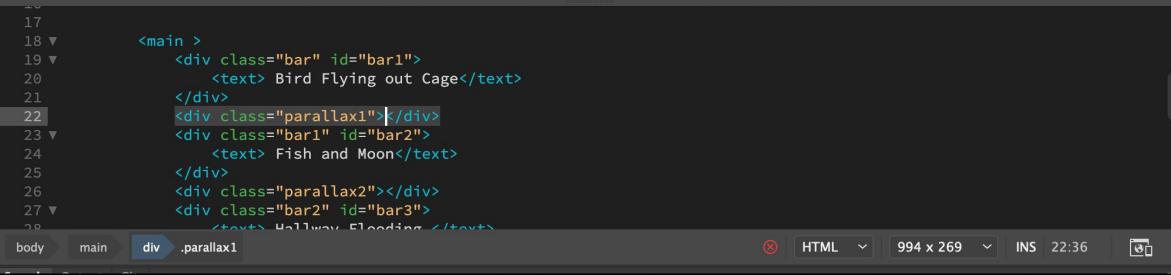


ANIMATION I&II

Grades 9-12 Semester Courses 2.5 Credits Meets Everyday

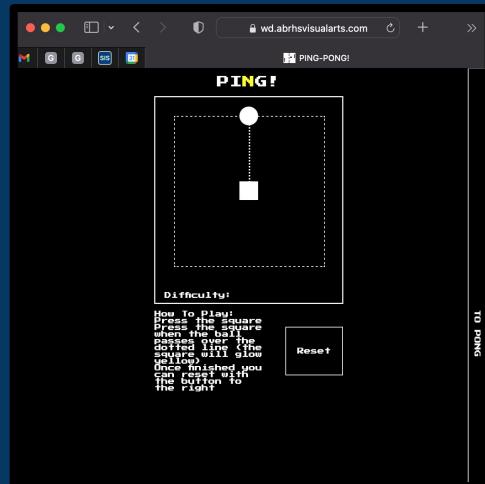
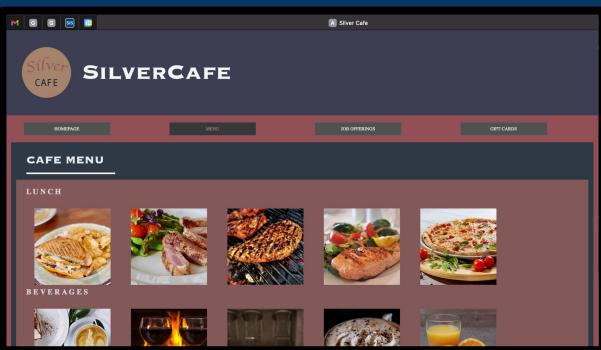


Fish and Moon



```
17
18 <main>
19     <div class="bar" id="bar1">
20         <text> Bird Flying out Cage</text>
21     </div>
22     <div class="parallax1"></div>
23     <div class="bar1" id="bar2">
24         <text> Fish and Moon</text>
25     </div>
26     <div class="parallax2"></div>
27     <div class="bar2" id="bar3">
28         <text> Holloway Flooding </text>

```



WEB PAGE DESIGN I&II

Grades 9-12 Semester Courses 2.5 Credits Meets Everyday



3D GRAPHICS I&II

Grades 9-12 Semester Courses 2.5 Credits Meets Everyday



CERAMICS 1 & 2

Grades 9-12 Semester Courses 2.5 Credits Meets Everyday



WOODWORKING I & II

Grades 9-12 Semester Courses Meets Everyday 2.5 Credits

Advanced Classes



- Studio Art 3 & Portfolio
- Advanced Digital Arts
- Adv. Concentration in Visual Art
- Ceramics 3 & Advanced Ceramics
- Advanced Darkroom Photo
- Advanced Digital Photo
- Woodworking III
- Studio Assistants



Follow us on Instagram!

@abvak12 @abclaystudio



MR. NATHANIEL MARTIN

- Photography,
Graphic Design,
Art History

MS. ELIZA GREENE

- Studio Art

MS. LAURIE BURNS

- Ceramics, VA
Liaison

MS. ERIN UPTEGROVE

- Digital Arts

MR. JACK KLINE

- Woodworking/
Industrial Arts

Student Experience

David Green

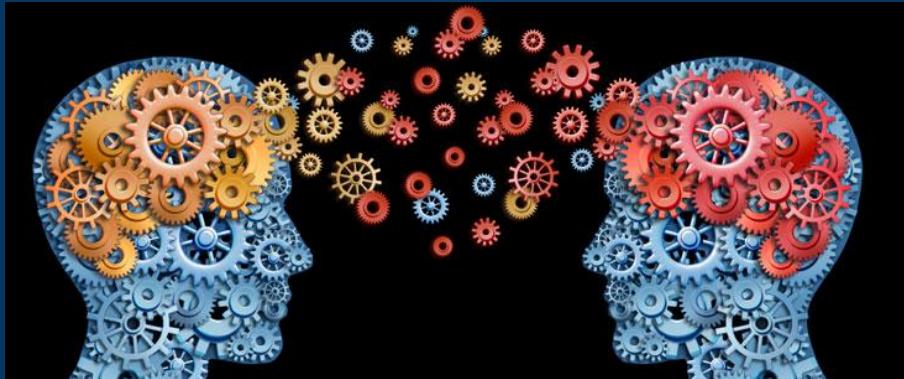
Social Studies

dgreen@abschools.org



Goals of the department

The most important goal: Foster a love and appreciation for history and social science



Goals of the department

Emphasis on analytical and writing skills,
synthesis, close reading of primary
documents, and source evaluation.



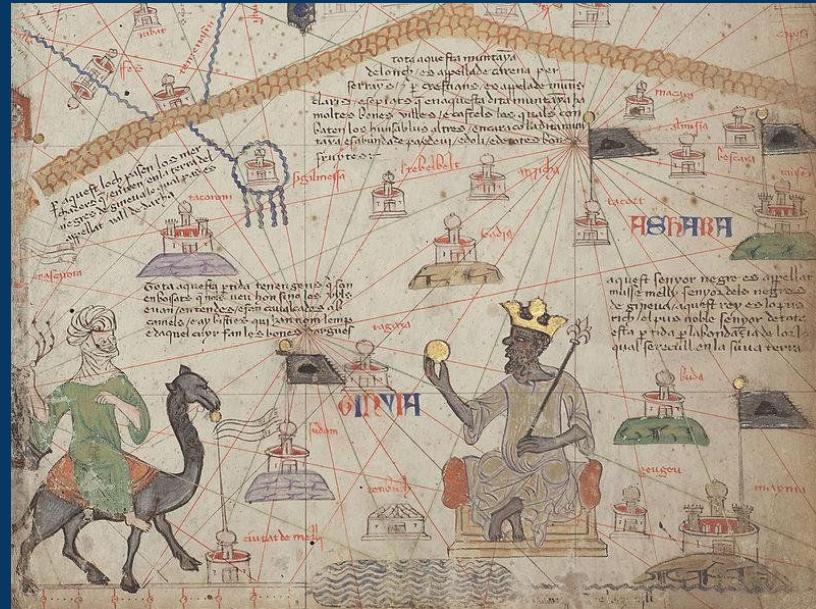
Goals of the department

Multiple narratives

The meaning of power and who holds it

Identity and race

Current events



Goals of the department

Wellness: Building strategies for managing workload, balancing commitments, and enjoying life!



Social Studies at ABRHS

Core Subjects

Grade 9:
World History

Grade 10:
US History/Government I

Grade 11:
US History/Government II



Social Studies at ABRHS

Elective Courses

All students take World History, U.S. History I, and U.S. History II

Grades 10-12

Elective (Semester)

Genocide and Conflict
Resolution

Understanding Race



These courses are
unleveled but have
an honors option
for students who
opt to complete
additional work.

Grades 11-12

Electives (Semester)

- Political Science
- Sociology
- You and the Law
- Psychology and the Good Life



These semester electives
are not leveled courses.

Grades 11-12

Electives (Year Long)

- Economics (11/12)
- International Relations H
(12 only)
- Psychology AP
(12 Only)
- Psychology
(11/12)
- European History AP
(12 Only)

Chris Ocampo
Assistant Principal

Athletics





Sports by Season

Fall

B/G Cross Country

Golf

Field Hockey

B/G Soccer

G Swim/Dive

Football

Cheer

G Volleyball

Winter

B/G Alpine

B/G Nordic

B/G Basketball

B/G Ice Hockey

Cheer

Gymnastics

B/G Indoor Track

B Swim/Dive

Wrestling (Co op AT
Bedford)

Spring

Baseball

B/G Lacrosse

Softball

B/G Spring
Track

B/G Tennis

B Volleyball

For more information about AB athletics, please go to:
abrhs.abschools.org/athletics

Michael Csorba

Assistant Principal

Clubs and Activities





Community Service



Community Service Breakfast, 2023



Junior Class Raking Day, 2022



12th Grade Community Service Day, 2023

Q & A

