

Prospective Student Open House

Accepting students going into grades 6-10.



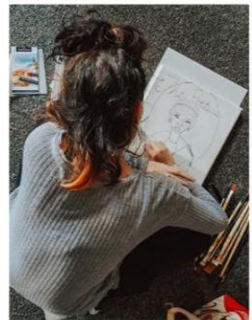
Agenda for the Evening

- **5:00-5:20** Introduction
- **5:20-6:30** Middle School and High School Breakout Sessions
- **6:30-6:45** Optional Programs for Students with Exceptionalities (PSE) and Student Services Drop-In



History of SciTech

- STEM Magnet School
- Opened in 2009 with grades 6-9
 - One grade added per year, August 2012 reached full capacity
- Collaborative effort – CMU/Pitt/PPS/Local Partners/US Steel





Mission and Vision of SciTech

- The mission of Pittsburgh Science and Technology Academy is to provide daily opportunities for students to...

Dream, Discover and Design

- We believe that all students can succeed in advanced STEM coursework *with the right amount of time and support*



What Makes SciTech Unique?

School Design (examples)

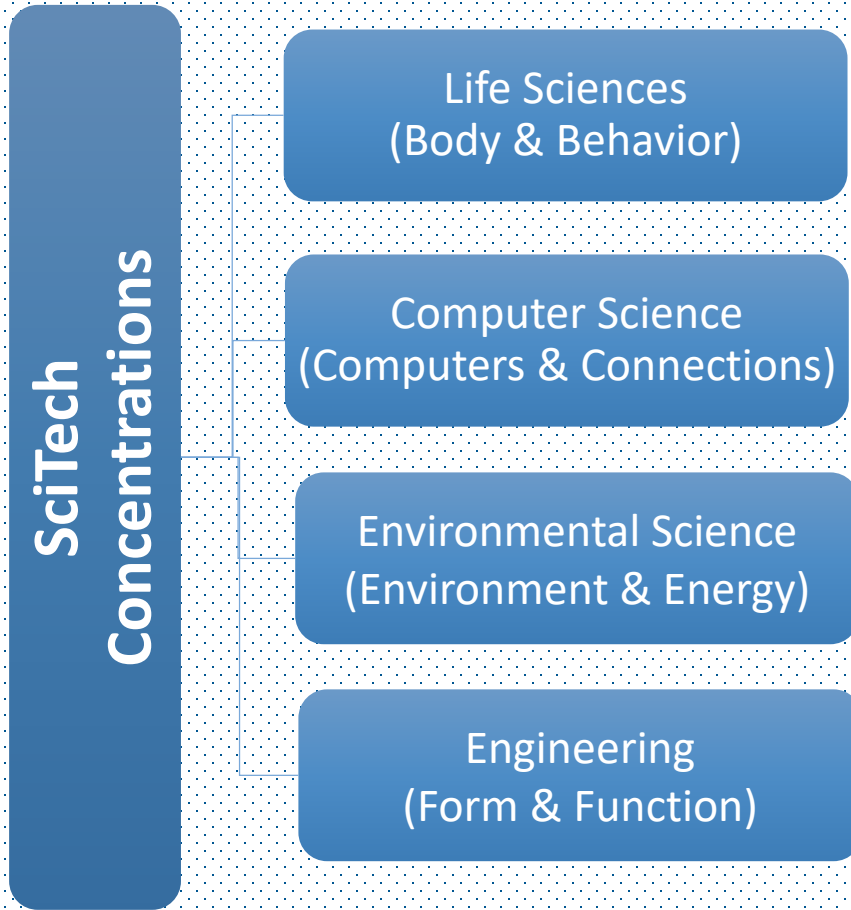
- Innovative scheduling
- Unique 4th period
- Post-secondary planning and support
- Technology integration
- Staff professional development
- School facility and location
- Flexible graduation timelines and unique honors diploma

Focus on STEM education



STEM Focused Concentrations

Grades 10-11



- Series of 8 courses unique to SciTech
- Students are introduced to skills and ideas that are usually reserved for college.





Executive Experience Grade 12

Collaborative, Field-Based Project with a Partner in Academia or Industry

ACADEMIC

- Research
- Writing
- Presentation
- Specific Content
- Problem Solving

PROFESSIONAL

- Communication
- Collaboration
- Commitment
- Responsibility
- Time Management





Weekly Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
Arrival: 7:11-7:31	Arrival: 7:11-7:31	Arrival: 7:11-7:31	Arrival: 7:11-7:31	Arrival: 7:11-7:31
Period 1: 80 minutes	Period 1: 80 minutes	Period 1: 66 minutes	Period 1: 80 minutes	Period 1: 80 minutes
Period 2/3: 85 minutes	Period 2/3: 85 minutes	Period 2/3: 71 minutes	Period 2/3: 85 minutes	Period 2/3: 85 minutes
Period 4: 50 minutes ACTIVITY	Period 4: 50 minutes ACTIVITY	Period 4: 40 minutes ADVISORY	Period 4: 50 minutes ACTIVITY	Period 4: 50 minutes ACTIVITY
Period 5: 80 minutes	Period 5: 80 minutes	Period 5: 68 minutes	Period 5: 80 minutes	Period 5: 80 minutes
Period 6: 80 minutes	Period 6: 80 minutes	Period 6: 68 minutes	Period 6: 80 minutes	Period 6: 80 minutes
Dismissal: 2:46pm	Dismissal: 2:46pm	Dismissal: 1:46pm	Dismissal: 2:46pm	Dismissal: 2:46pm



Clubs, Activities, Sports

- Gender and Sexuality Alliance (GSA)
- Black Student Union (BSU)
- Feminist Student Union (FSU)
- Bots IQ
- Interact Club
- Mock Trial
- Sports- anything at Obama
- Activity Period: Guitar Club, Cooking Club, Games Club, Movie Club, etc.



Transportation

- Grades 6-8
 - Yellow Buses
- Grades 9-12
 - PAT Buses



Who Should Attend SciTech?

Anyone that is interested in science and technology may apply to SciTech.

The program is designed to serve motivated students with **interest in science or technology, no matter their current academic level.**





What's Next?

In the chat is a document with the links for the breakout sessions.

- **High School-** Stay here.
- **Middle School-** Open the document in the chat and select the second link.
- **PSE/Student Services Q&A Drop In-** This will **begin at 6:30** and the link is in the document that is in the chat.

Science @ SciTech- Required Science Courses and Electives, Concentrations, and Executive Experience

Brian Rose (9th grade Biology) and Edwina Kinchington (Body and Behavior Concentration & Executive Experience)



Science - Required Courses and Electives

- 9th Grade:
 - Chemistry (Semester)
 - Biology (Semester)
- 10th Grade:
 - Concentration
 - Electives
- 11th Grade:
 - Concentration
 - Electives
 - Conceptual Physics (if not in F&F)
- 12th Grade:
 - Electives
 - Executive Experience
- Electives:
 - Forensics
 - Genetics
 - Human Pathology
 - Arduino for ALL
 - Game Design
 - Intro to Java
 - Ecological Anthropology
 - Introduction to Environmental Science
 - Paleontology
 - AP Physics (1 and 2C Mechanics)
 - CHS Biology
 - CHS Chemistry

Logon to www.PittsburghSciTech.com then "Academics" for a description of each course.

Concentrations & Executive Experience



Body and Behavior

- Biomedical technology related to studying your genome, Microbiology, Infectious disease and immunity
- Cellular signaling, AP Biology, Advanced life sciences

Environment and Energy

- How the environment works.
- How the environment affects humans.
- How humans affect the environment.
- How we can fix these complex issues.

Form and Function

- Introduction to Engineering- The problem solving process, drafting and CADD
- Applied Engineering Physics I- 1D and 2D motion, Forces and Work, Circular Motion
- Applied Engineering Physics II - Fluids, Thermodynamics, Waves
- Digital Electronics- Circuits and Components, Breadboarding and Soldering, Logic Circuits

Computers and Connections

- Programming for web design, apps, principles of computer, hardware and software
- Programming – JAVA, python, AP Computer Science

Executive Experience: Senior research project on topic of student interest with a community mentor and partner: semester long

Electives & World Languages

HIGH SCHOOL

Music Technology : Mr. Ferrante



There are two music electives in the High School

- **Music Production and Engineering**
- **Music Composition and Arranging**

Classes use technology and software including Garage Band, Logic Pro , Ableton Live and FL Studio to explore their musical creativity.

The Music Lab features Mac computers and a recording studio

ART TECHNOLOGY



In Mr. Gouker's High School Art electives, students have the choice to make art and express themselves in a few different ways. In the Art Tech class, students use 2D visual communication to dive into inspiration, reflection and action. In the Art Through Science course, students use the camera – both photography and videography to create beautiful compositions and interesting and educational videos. Also, every other year, Mr. Gouker offers a 2D AP Art class.

Mr. Shevitz

Teaches: Physical Education/Health

Hobby: Spending time at home with all his girls.

Interesting Fact: Likes to go to the theatre.



Mr. Lingg

Teaches: Personal Fitness and Health

Interesting Fact: I was the middle school swim coach for Sci-Tech's first ever middle school swim championship team.

Hobbies: Love all outdoor activities and traveling.



Electives - Mr. Bland

MS Electives:

- Career Prep – Keyboarding and Word Processing
- Launching Innovation – Business and Computer Science

HS Electives:

- Game Design – Java Programming
- Economics

Hobbies: Football, Hockey, MTG, and GamesWorkshop



Electives- Mrs. Theuret

- Post- Secondary Prep 1 and 2
 - All 11th and 12th Grade Students
 - Focused exploration and planning for the post-secondary future.
- Career Tech
 - All 9th Grade Students
 - Career Exploration and Preparation
 - Microsoft Office Applications
- Accounting Technology
 - Accounting in the real world.
 - Use of MS Excel applications as it relates to preparing financial documents and analyzing data.



World Languages @ SciTech

A Guide to the World Languages Program at the
Pittsburgh Science & Technology Academy

Meet the Teachers



Sra. Dalessandri
Spanish 1, 2, 3 and 4



Sr. Húber
Spanish 1, 2, 3 and 5
Portuguese 1

Sr. Robertson
Spanish 1 and 2



Not-So-Fun Fact:

Last summer was the first time in over 20 years that a teacher from this department did not travel abroad.

Goals & Objectives

- The primary emphasis in Spanish and Portuguese is for our students to develop listening and speaking skills in a communicative context.
- Interpersonal communication is a daily practice in these classes.

Courses & Pacing

- All Grade 10 students must take:
 - Spanish 1 PSP during Semester 1
 - Spanish 2 PSP during Semester 2
- Grade 11 students may take the following electives:
 - Spanish 3 PSP and Spanish 4 PSP during Semesters 1 and 2, respectively.
- Grade 12 students may take Spanish 5 CHS for college credit or Portuguese 1 as an elective.

Activity and Advisory at SciTech

Student Presenters: Lauren, Amira and China

Advisory

- Time Slot: 10:05-10:45
- Purpose:
 - to provide an opportunity for:
 - Students to review grades
 - Have a teacher to go to when in need
 - Place and People to talk to
 - Time can also be use to do any missing work
 - If you ever need anything you can talk to advisory about it



Remember: Advisory is MANDATORY

Activity

- Time Slot: 10:26 - 11:21am
- Purpose: To provide an opportunity for...
 - Students to get to know each other
 - Participation in clubs or social groups
 - Provide opportunity to participate in activities usually offered after school
- Time can also be repurposed for support



Activity -- What Social Justice Groups Can I Join?

Black Student Union

Purpose: to tackle and bring awareness to both school and community-based issues surrounding the black community.



Superintendent's Student Advisory Council

Purpose: to bring awareness to in-school issues surrounding equity and school lunch in addition to a few others.

Gender Sexuality Alliance

Purpose: to tackle and bring awareness to both school and community-based issues surrounding LGBTQ+ community.





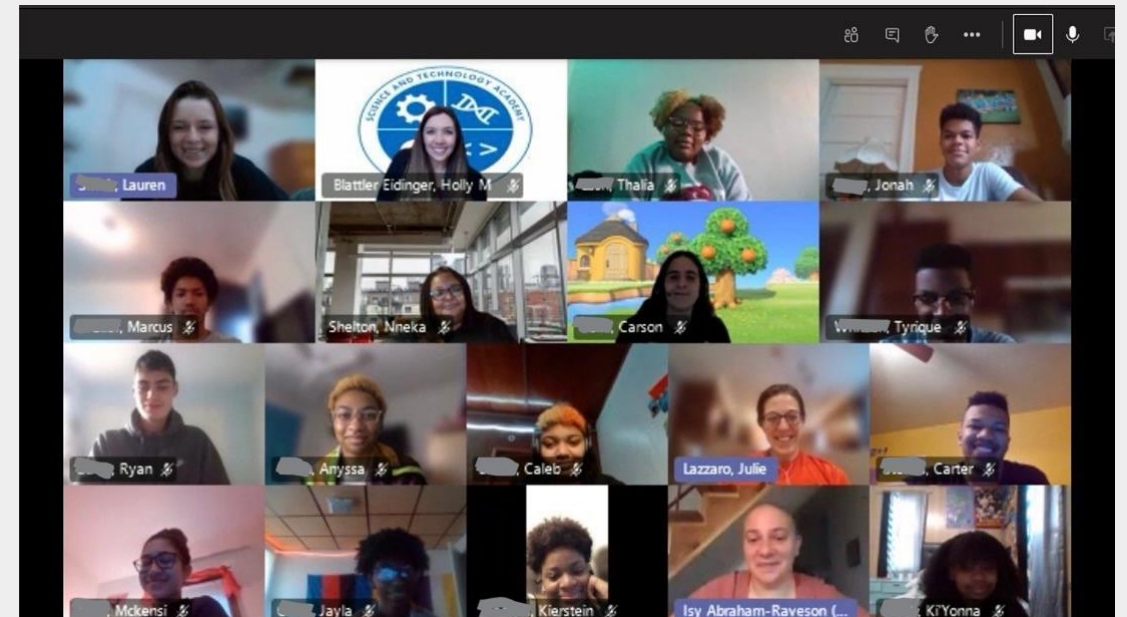
Activity -- What If I Don't Want to Participate in a Social Justice Group?

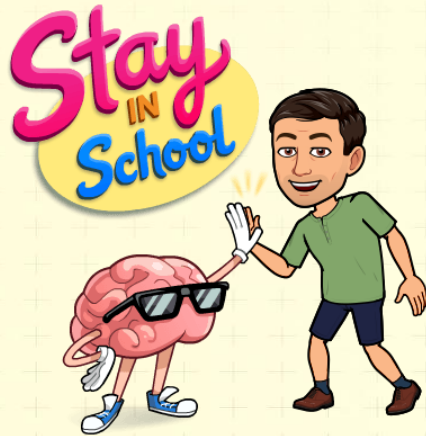
There are additional clubs including:

- SciTech Student Ambassadors
- Yearbook
- Board Game Club
- Garden Club
- Interact Club
- Math League
- etc.

SciTech Experience

- Challenging coursework, opportunities, and conversations **WITH** the support necessary to thrive.
- The ability and **encouragement** to start your own clubs, organizations, and projects.
- A **supportive** student community with strong network connections for internships, research, and community service.
- **Caring** and **dedicated** teachers who do the most to support and prepare all SciTech students for success!





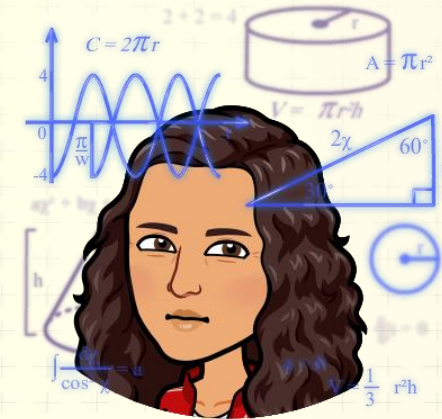
Mr. D'Amico

Math 6/7 Pre-Algebra
Geometry



Mrs. Perris

Math 7/8 Combo
6th Grade Intervention



Mrs. Nienhuis

Math 8
Algebra 1



Mrs. Hoffman

Precalculus
Algebra 2



Mrs. Skoda

AP Calculus



Mrs. Obritz

AP Statistics
Probability & Statistics
Matrix & Linear Algebra
Algebra 2
Biostatistics
Quantitative Ecology



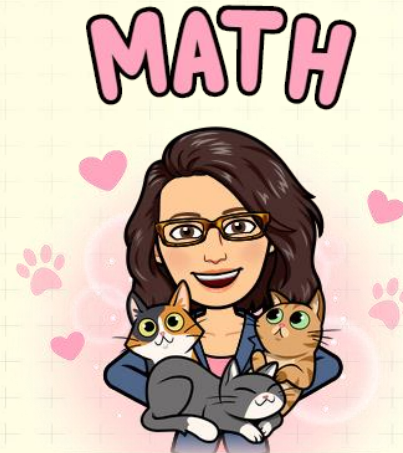
Mrs. Keesecker

Algebra 1
Geometry



Mrs. Lazzaro

Algebra 1
Geometry



Mrs. Reiser

Algebra 2
Geometry



Mrs. Theuret

Accounting Technology



Mr. Bajcz

Financial Algebra



Mr. Ronevich

Co-teaches
Biostatistics and
Quantitative Ecology

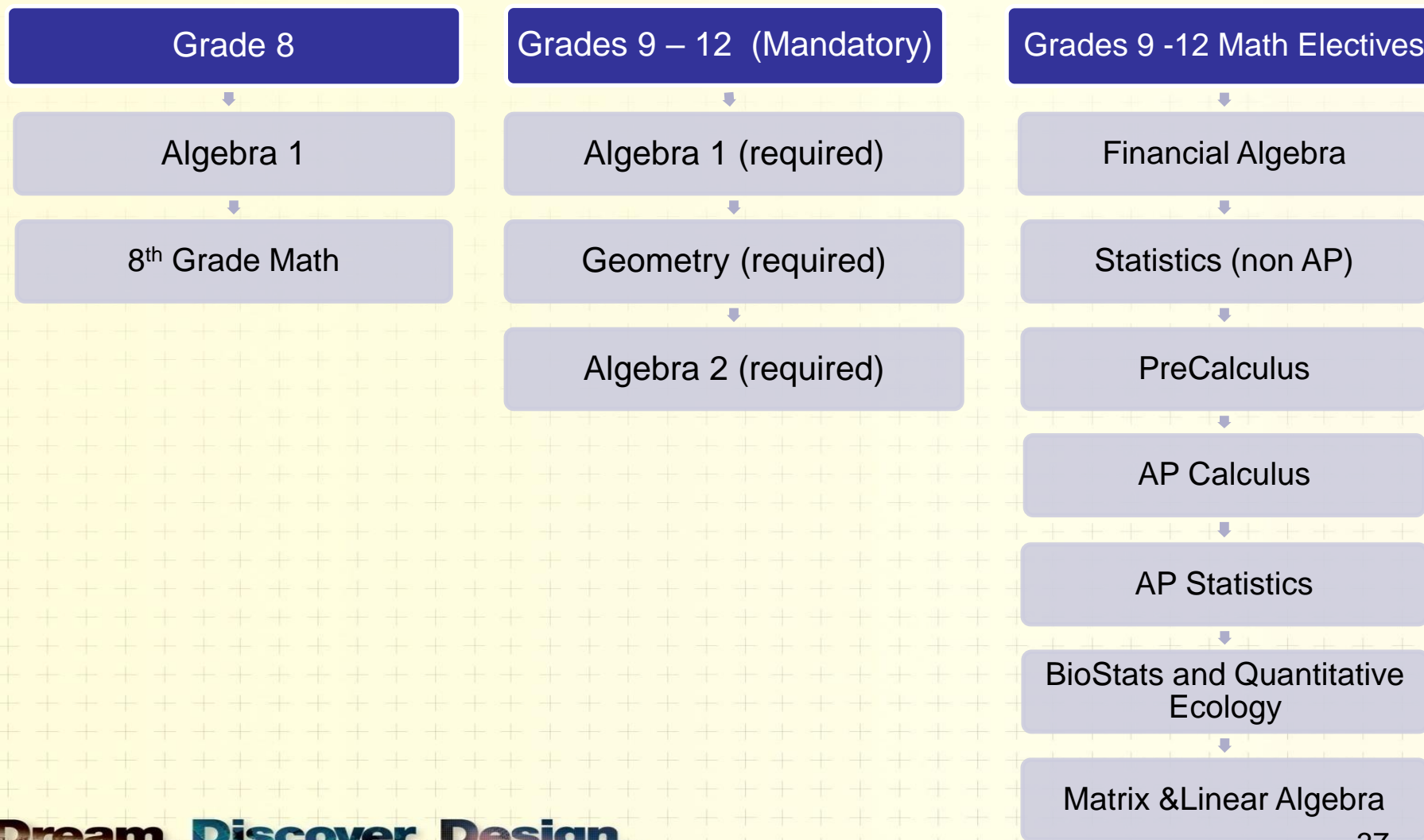


Mr. Sparacino

Co-teaches
Algebra 1

Dream. Discover. Design.

H.S. Math Progression @ SciTech



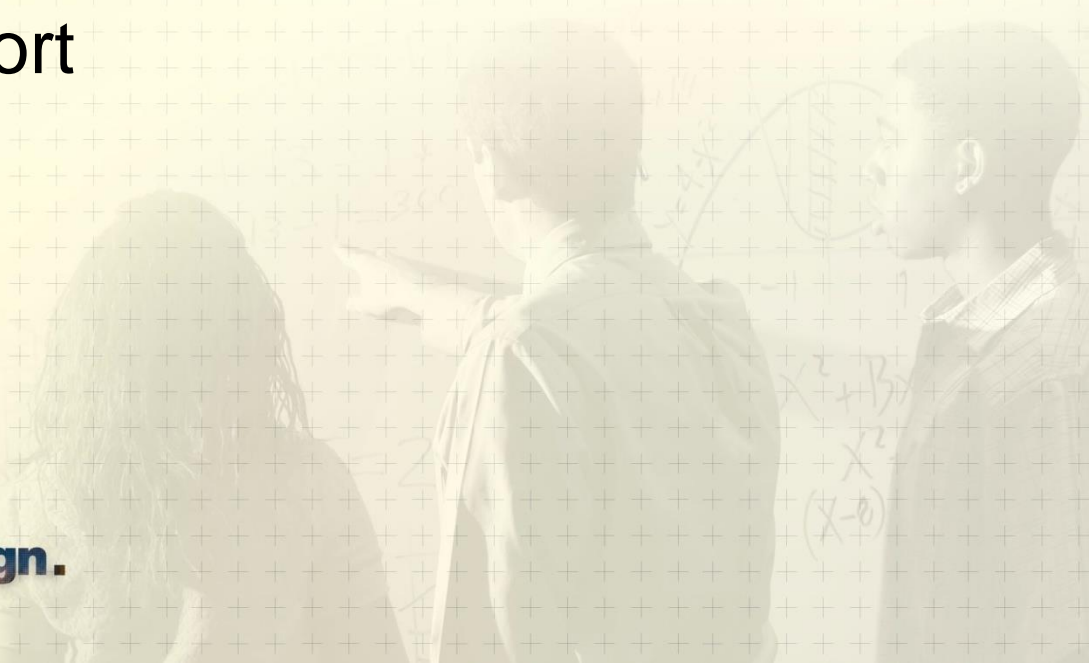
SciTech Math at a Glance

- **2019/2020 AP Scores**
 - 87 out of 169 AP tests (all contents) were passed with a score of 3, 4, or 5
 - 13 students took the AP Statistics Exam
 - 46% pass rate
 - 50 students took the AP Calculus AB
 - 64% pass rate
- **Extra Curricular Activities**
 - Math League (Virtual)

Math Support

- Provided during the Last 30 Minutes of Virtual Class (after the Live Portion)
 - Monday/Tuesday & Thursday/Friday
- Available resources
 - Tutoring
 - Homework support
 - Study Island
 - Edmentum
 - ALEKS
 - Khan Academy

Dream. Discover. Design.



Humanities: English & Social Studies

...



SciTech's Fabulous High School Humanities Staff

ENGLISH

Ms. Barbas

Mrs. Marshall

Mrs. Reynolds

Ms. Simpson

SOCIAL STUDIES

Ms. Kupec

Ms. Miller

Mrs. Moore



Humanities at SciTech

- All core classes are one semester and meet daily for two quarters.
- Mock Trial is offered as an activity.



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Core English Classes

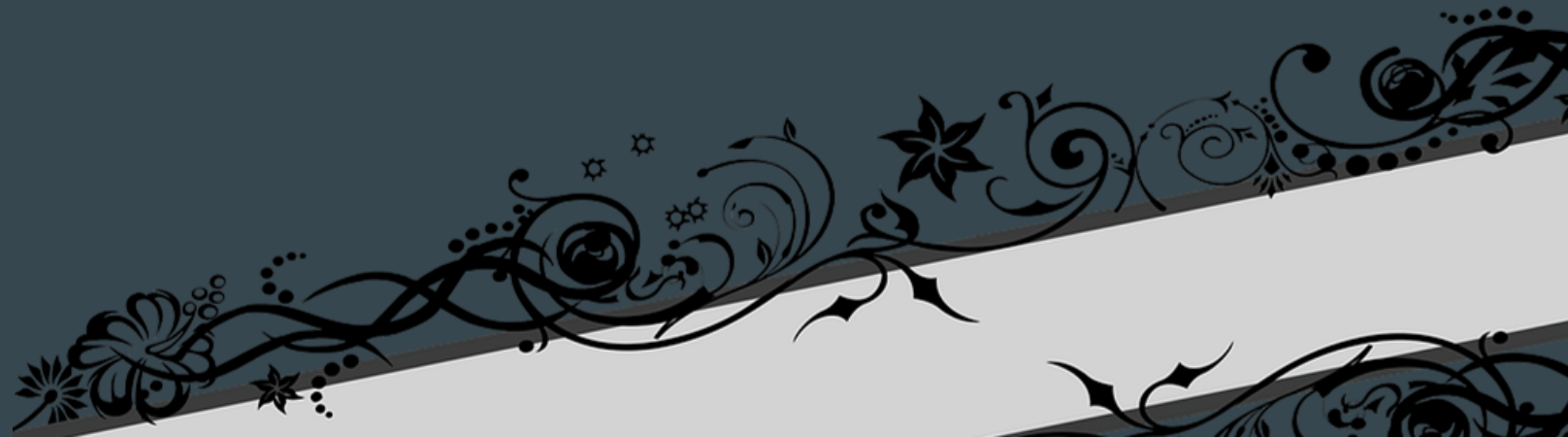
- English 1: 9th grade
- English 2: 10th grade
- Choice of English 3 or AP Language: 11th grade
- Choice of English 4, African-American Literature or AP Literature: 12th grade
 - Students choosing AP Literature may select to take African-American Literature as an elective the fall semester of the 12th grade year

9th Grade Quarter Length English Class

- All 9th grade students are enrolled in Creative Writing during their Fall semester

10 - 12th Grade Quarter Length Elective English Classes

- Debate, Film as Literature



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Core Social Studies Classes

- Civics: 9th grade
- Choice of World History or CHS Western Civilization: 11th grade
- Choice of U.S. History, African-American History or AP U.S. History: 12th grade
 - Students choosing AP US History may select to take African-American Literature as an elective the spring semester of the 12th grade year



Q&A

- Any questions? We will take questions for 10 minutes.
- If we don't get to your question feel free to email Stephanie Theuret at stheuret1@pghschools.org.
- ***REMINDER: If you would like to go to the drop-in session for questions about IEP's, 504's or other student services please use the link in the chat at 6:30pm.***