

Academy Meeting Sign In 2023 (STEM)



Academy Meeting

2023-2024

ACADEMY COORDINATOR: Dr. Kokan

ACADEMY ADMINISTRATOR: Mr. Moran

Meeting Agenda

- **Course Information**
- **AP Capstone Diploma**
- **Capstone Requirement**
- **Dual Enrollment**
- **Extracurricular Requirement**
- **Clubs and organizations**
- **Questions**

Traditional STEM

	9th grade	10th grade	11th grade	12th grade
Math (required)	<i>H Geometry or above</i>	Students must earn 4 Math credits		
Science (required)	<i>H STEM Biology</i>	<i>H STEM Chem</i>	<i>AP Physics 1 or Honors Physics</i>	<i>AP Science or Honors Science</i>
Language Arts	<i>H 9th Lit (required)</i>	Students must earn 4 Lang Arts credits		
Social Studies	Students must earn 3 Social Studies credits			
Electives	<i>World Lang</i>	<i>World Lang</i>	<i>Health & PE</i>	
STEM Electives	See STEM Pathways below			
<i>This course sequence is subject to change based on the needs of the students and input from faculty.</i>				

Elective Registration Traditional STEM

Required STEM Pathways				
Students in the Traditional STEM Academy must choose one of the following STEM pathways:				
				Capstone Course
Engineering	<i>Introduction to Engineering</i>	<i>Principles of Engineering</i>	<i>Aerospace Engineering</i>	<i>Engineering Design and Development</i>
Computer Science	<i>Introduction to Software Technology</i>	<i>AP Computer Science Principles</i>	<i>AP Computer Science A</i>	<i>Programming, Games and App Design</i>
Life Science	9th STEM Elective	10th STEM Elective	11th STEM Elective	12th STEM Elective
	none	Honors Scientific Research II	AP Seminar	AP Research

Core Course Notes

- **Computer Science track cannot take AP Computer Science as 4th science (it is a required elective)**
- **8th grade science does not count toward 4 sciences**

AMS STEM

8th grade		9th grade	10th grade	11th grade	12th grade
<i>85% or Higher + Alg I/Geo A + Teacher Rec</i>	Math (Required)	<i>H Geo B / H Alg II</i>	<i>Acc Precal / AP Calc AB</i>	<i>AP Cal BC</i>	<i>Multivariable Calc</i>
<i>88% or Higher + Teacher Rec</i>	Science (Required)	<i>AP Env Sci</i>	<i>AP Biology</i>	<i>AP Physics 1 / AP Physics C</i>	<i>AP Chem</i>
	Lang Arts	Students must have 4 credits of Lang Arts			
	Social Studies	Students must have 3 credits of Social Studies			
	Electives			<i>AP Seminar</i>	<i>AP Research</i>
	Electives	<i>World Lang</i>	<i>World Lang</i>	<i>Health & PE</i>	

Capstone Requirements

- **Everyone must complete capstone project: either AP S&R or traditional**
- **Coach Blythe covers the AP Seminar and AP Research requirements**
- **Traditional STEM (E/CS) Pathway:**
 - **Presentation of your capstone project**
 - **Attend to get an idea of what you will do as a senior**

AP Capstone Diploma

- Earn a score of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of your choosing.

Internship
Program
12th Grade Only

- **Must be actively engaged in relevant STEM work**
- **Earn 180 hours (most hours completed summer before senior year)**

Dual Enrollment

- Dual Enrollment course can be taken for **NON-ACADEMY** cohort courses only.

Summer Health and Personal Fitness

- Offered at Pope each summer
- Each course is two weeks
 - Personal Fitness: June
 - Health: June

Additional Academy Requirements

- 3.0 unweighted GPA 3.5 weighted GPA
- Active member of one Academy-Related club
- ***NEWLY REQUIRED*** Attend one social event each year
- ***NEWLY REQUIRED*** Volunteer for one Academy event each year (rising 9th Meet and Greet, Parent Night, Open House, Middle School visit, Academy Teacher Support)
- ***NEWLY REQUIRED*** Attend one Academy-sponsored educational event each year (Dinner meet up, educational trip)
- ***REQUIRED*** Must attend STEM EOY Presentation and Capstone event senior year

Once you commit to an event or volunteer activity you must fulfill your commitment. People are counting on YOU.

Newly required items are for all students, including seniors.

ACADEMY TIMELINE

- [2023-2024 POPE ACADEMY TIMELINE LINK](#)

Approved STEM Clubs

STEM Academy students must be active members of at least one club each year. It can be the same club all four years or a different club from year to year. The emphasis is that the STEM Academy student is an ACTIVE member or board member.

Name	Description	Primary Sponsor
Academics Mentorship Program “AMP Club”	To provide an avenue for experienced 11th grade Culinary, Globalization, and S.T.E.M. Academy students to mentor 9th grade students who are in these academies.	Kokan, Dr. Julie
Baseball Data and Analytics	To use modern analytics to improve team performance and allow students to apply math and computer science concepts	Turco, Chris
Bio Club	To recruit, support, nurture, and promote students with an interest in biological sciences	Briana Ransom
Computing Club	Computing Club seeks to spread and facilitate a love of computer science and public service among students of Pope High School.	Groeneveld, Richard
Drone Club	Offers a platform for students to discover the world of drones and spark interest in engineering and other STEM related subjects. Students will have opportunity to compete in engineering competition and drone racing.	Williams, Steve

Girls in STEM	To encourage and support girls of Pope who are interested in STEM careers	Kokan, Julie
Governor's Honor Program (GHP)	Summer program sponsored by state legislature; application only	Dahlberg, Tiffany
HOSA: Future Healthcare Professionals	To develop leadership, service, and passion as a future healthcare professional	Thomas, Sharee
Math Club	A weekly get together for students who enjoy mathematical problem solving and exploring interesting questions outside of the math curriculum. We also participate in county math competitions along with other schools in Cobb.	LaFleur, Colton
Mu Alpha Theta (Math Honor Society)	To create an interest in math and represent our school and community as members. To participate in school improvement as well as community improvement projects.	Sever, Eric
National Honor Society	Serves to recognize those students who have demonstrated excellence in the areas of scholarship, service, leadership, and character.	Malafrente, Claudia
Organization of Students for Innovations	An inventor's club with the vision to brainstorm ideas and then develop them into reality	Williams, Stephen
The Ocean Awareness Club (OA)	The purpose of this club is to raise awareness for endangered ocean animal species and their environment in an effort to work towards safer, cleaner oceans.	Giardina, Rhonda

Reach out with questions

Robotics	Engineering and building of robots for competition. Aligns with the STEM initiatives.	Williams, Stephen
Science National Honor Society	Honor high science performance	Smith, Chris
STEM Study Students	To allow STEM students in the same classes to study for upcoming assessments together	Vera-Tancredi, Toni
Technology Student Association	To enhance personal development, leadership and career opportunities in STEM	Williams, Stephen
The Ocean Awareness Club (OA)	The purpose of this club is to raise awareness for endangered ocean animal species and their environment in an effort to work towards safer, cleaner oceans.	Giardina, Rhonda
Environmental Club	Brings awareness to environmental issues through community service projects such as stream cleanups, storm drain marking, recycling, and education	Blythe, William
Science Olympiad	National non-profit dedicated to improving the quality of K-12 science education	Ransom, Briana

Thank you

- Questions?
- Email Dr. Kokan
Julie.KOKAN@cobbk12.org or
- Thomas Moran
Thomas.Moran@cobbk12.org

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Code

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