Parkland STEAM2 Academy

Middle School 2024
Summer Day Camp
June 17th to June 20th
(Monday-Thursday in person, No Friday)

Registration Deadline: May 24, 2024

What is STEAM^2?

Education in Science, Technology, Engineering, Art, Mathematics and Medicine (STEAM^2) is a national movement that Parkland identifies as an integral part of our educational process to prepare students in an increasingly global economy.

What is the purpose of this Education?

- Allows Students the best opportunity to make sense of the skills needed as a whole rather than in bits and pieces.
- Removes the traditional barriers between contents and builds understanding as it is applied in the global economy.
- Exists in every corner of the world as students connect their knowledge with engineering, lab research, manufacturing, doctors, graphic arts, performing arts and an endless number of other innovative jobs.

Academy Goals

- Increase exposure and awareness of STEAM^2 pathways and careers in all content areas.
- Strengthen partnerships between workforce and their future employees.
- Encourage and foster our existing curriculum that supports higher order thinking through inquiry-based learning.

Student Participation

- There are five separate week-long offerings designed to build introductory knowledge at the Middle School level to prepare for the high school offerings.
- Registration for the summer program will start on a first come first serve process with a waiting list if needed. A maximum of 25 students per session will be accepted.
- ***The fee is $50 per student per session*** with the majority of the cost being absorbed by the "Parkland Education Foundation".

STEAM^2 Academy Summer Day Camp—Level 1 (Grades 6 & 7) - Session 1 (8:00 - 11:30 am)

This middle school level 1 beginner's workshop is geared toward presenting students with simple engineering problems that will require students to apply science and math knowledge. This week-long workshop will be both fun and challenging, while helping your student to develop essential design and problem-solving skills necessary for the Parkland High School PLTW and Engineering Courses. (Camp will be held at PHS)

Amazing Brain (Grades 6 - 8) - Session 3 (8:00 - 11:30 am)

Middle school students will be introduced to the content and concepts involved in the biology and psychological functions of the brain. Students will simulate brain surgery through both dissections and virtual medical laboratories. Students will create their own biomedical inventions and explore the field through hands-on activities.(Camp will be held at PHS)

~~**Makerspace** (Grades 6 - 8) - Session 3 (8:00 - 11:30 am)~~

~~Calling all MAKERS in grades 6-8! This fun hands-on workshop will allow for students to build their capacities to use critical thinking and problem-solving skills through the creation of creative projects. Campers will explore LEGO Education kits, 3D Printing, Robots, Coding, KEVA Planks, Ozobots & Digital Storytelling, and so much more!~~

Session Full/Closed

~~**AI, Coding, and Machine Learning for Good** (Grade 6-8) - Session 2 (12:00 — 3:30 pm)~~

~~Computer science is so much more than just coding! In this week-long camp adventure, students will learn about artificial intelligence (AI) and how AI can be used for good to address real world issues and increase efficiency through task automation. Campers will investigate activities powered by AI and machine learning, explore coding activities, and learn from guest speakers.~~

Session Full/Closed

Video Production (Grades 6—8) - Session 4 (12:00 - 3:30 pm)

Our STEAM^2 Academy will provide students with multiple aspects of video production including script writing, storyboarding, basic camera skills, video editing, and digital media. We will design, create, and edit video projects using WeVideo in the high school Media Lab. (Camp will be held at PHS)

~~**Forensic Science** (Grades 6—8) - Session 5 (12:00 - 3:30 pm)~~

~~Middle school students will be introduced to the exciting world of forensic science. They will learn current forensic techniques, perform experiments, and uncover secrets about crime investigators. Students will explore and examine physical evidence that could be found at the scene of a crime and solve a real mystery.~~

Session Full/Closed

Registration Deadline: May 24, 2024

Middle School STEAM^2 Academy Registration
Summer Camp PERSONAL/HEALTH DATA FORM
June 17th - June 20th
(Monday-Thursday in person, No Friday)

PLEASE PRINT CLEARLY

REGISTRATION

STUDENT'S NAME:_____

GRADE COMPLETED (2023-2024) SCHOOL YEAR:_____**School:**_____

PARENT'S EMAIL:_____

All Sessions will be held the week of June 17th through June 20th

Please Indicate Adult T-shirt Size

- ☐ Small
- ☐ Medium
- ☐ Large
- ☐ X-Large
- ☐ XX-Large

- ☐ *Session 1:* STEAM^2 *Level 1 (**AM Session**)*
- ☐ *Session 2: Amazing Brain **(AM Session)***
- ☐ ~~*Session 3: Makerspace **(AM Session)** **(CLOSED)***~~
- ☐ ~~*Session 4:* AI, Coding, and Machine Learning for Good ***(PM Session)*** **(CLOSED)***~~
- ☐ *Session 5: Video Production **(PM Session)***
- ☐ ~~*Session 6: Forensic Science **(PM Session)** **(CLOSED)***~~

PLEASE NOTE: For **Parkland Students** enrolled in 6th-8th grade in the 2023-2024 School Year.

*****NO EXCEPTIONS WILL BE MADE.*****

PLEASE FILL OUT THE MEDICAL PORTION AND MAIL ALONG WITH REGISTRATION AND CHECK.

Please include a check in the amount of $50 per student, per session

Make check payable to the "Parkland School District" and mail to:

Parkland School District, Attn: Jessica L. Miller, 2219 N. Cedar Crest Blvd, Allentown, PA 18104

MEDICAL/HEALTH:

PARENT/GUARDIAN'S NAME:_____

ADDRESS:_____

CELL NUMBER:_____ **NUMBER DURING CAMP:**_____

LIST ANY SPECIFIC MEDICAL CONDITIONS YOUR CHILD MAY HAVE:_____

_____

LIST ANY FOOD AND/OR MEDICAL ALLERGIES YOUR CHILD HAS:_____

_____

IN THE EVENT OF ILLNESS OR AN EMERGENCY, PLEASE LIST THE PERSON YOUR WOULD LIKE CONTACTED FIRST AND THEN AN ALTERNATIVE CONTACT PERSON. PLEASE BE SURE TO **PRINT** THEIR FULL NAME AND TELEPHONE NUMBER.

EMERGENCY CONTACT 1:_____

Name **Phone Number**

EMERGENCY CONTACT 2:_____

Name **Phone Number**

PARENT/GUARDIAN SIGNATURE:_____**DATE:**_____