

Parkland STEAM Academy

Middle School ~ 2025 Summer Day Camp

June 23rd to June 26th

(Monday-Thursday at Parkland High School, No Friday)



What is STEAM²?

Education in Science, Technology, Engineering, Art, Mathematics and Medicine (STEAM²) 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 STEAM² pathways and careers in all content areas.
- Strengthen partnerships between workforce and their future employees.
- To encourage and foster our existing curriculum that supports higher order thinking through inquiry-based learning.

Student Participation

- This is an immersive STEAM² experience for middle school students who completed grades 6-8. All sessions will be held at PHS.
- 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."

STEAM² Academy Summer Day Camp—Level 1 (Grades 6 & 7) - Session 1 (8:00 - 11:30 am)

This middle school le capely seice CANCELED toward presenting students with simple engineering problems that will require students to apply seice CANCELED toward presenting students 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.

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.

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!

Future Innovators: Coding & Al for a Better Tomorrow (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 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.

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

Our STEAM² 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.

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 investigations. Students will explore and examine physical evidence that could be found at the scene of a crime and solve a real mystery.



Middle School STEAM² Academy Registration Summer Camp PERSONAL/HEALTH DATA FORM June 23rd - June 26th

(Monday-Thursday at Parkland High School, No Friday)

PLEASE PRINT CLEARLY

REGISTRATION STUDENT'S NAME:		
GRADE COMPLETED (2024-2025) SCHOOL YEAR:	School:	
PARENT'S EMAIL:		
All Sessions will be held the week of June 23rd through Jun	ne 26th	Please Indicate Adult T-shirt Size
Session 1: STEAM ² Level 1 (AM Session)		
Session 2: Amazing Brain (AM Session)		Small
Session 3: Makerspace (AM Session)		Medium
Session 4: Future Innovators: Coding & Al for a Better Tomorrow	(PM Session)	Large
Session 5: Video Production (PM Session)		X-Large
Session 6: Forensic Science (PM Session)		XX-Large
PLEASE NOTE: This camp is for Parkland Students who completed 6th ***NO EXCEPTIONS WILL BE MADE***	-8th grade in the 20	024-2025 School Year.
PLEASE FILL OUT THE MEDICAL PORTION AND MAIL ALONG WITH RE	GISTRATION 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, All	lentown, PA 18104	
MEDICAL/HEALTH:		
PARENT/GUARDIAN'S NAME:		
ADDRESS:		
CELL NUMBER: NUMBER DU	IRING 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 YOU ALTERNATIVE CONTACT PERSON. PLEASE BE SURE TO PRINT THEIR FULL NA		
ALIEN WITH SOME TO LINE TO LINE THE THE TOTAL THE THE TOTAL THE TO	WILLIAM ILLEI HOW	E HOMBEIN.
EMERGENCY CONTACT 1:Name	Phone Nu	mber
EMERGENCY CONTACT 2:		
EMERGENCY CONTACT 2:	Phone Nu	mber
PARENT/GUARDIAN SIGNATURE:	DATE:	