

**Parkland STEAM<sup>2</sup> Academy**  
**High School 2024**  
**Summer Day Camp**  
**June 24th to June 27th**  
**(Monday-Thursday in person, No Friday)**



### **What is STEAM<sup>2</sup>?**

Education in Science, Technology, Engineering, Art, Mathematics and Medicine (STEAM<sup>2</sup>) 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<sup>2</sup> 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**

- The high school offerings will formulate as one camp with three separate learning pods. Students will be together in a whole group environment to learn from career speakers and an overview of the need for jobs in the STEAM<sup>2</sup> field. Students will then work collaboratively in the learning pod they choose for the week.
- Registration for the summer program will start on a first come first serve process with a waiting list if needed.
- The fee is \$100 per student with the majority of the cost being absorbed by the "Parkland Education Foundation".
- Students are required to bring a packed lunch to eat each day.

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### **Engineering Design and Problem Solving (8:00-3:00)**

Do you like to build stuff with your hands? Do you like solving problems with tools? Are you a creative, out-of-the-box thinker? If you answered YES to any of these questions, then Engineering Design and Problem Solving is for you! In this workshop students will work in teams to design a MASSIVE Rube Goldberg Machine that will stretch across the room and stretch your science, technology engineering, and math skills – all while having MASSIVE amounts of fun.

### **Robotic Design & Control (8:00-3:00)**

This academy is geared toward developing the knowledge and skills required to build and control a robot. Students will learn the basic components of the Vex Robotics platform and how to control those components using Robot-C programming language. At the conclusion of the academy, a design challenge will be presented and students will engineer a custom built robot to compete in this competition.

### **Film and Video Production (8:00-3:00)**

The perfect workshop for enthusiasts who are ready to get serious about their film and video production; this workshop is the ideal way to get a hands-on experience. The workshop will cover the fundamental techniques for film making, editing, sound and lighting. This experience will give students access to equipment and technology to produce individual and collaborative videos.



High School STEAM<sup>2</sup> Academy Registration  
And  
Summer Camp PERSONAL/HEALTH DATA FORM  
June 24th - June 27th  
(Monday-Thursday in person, No Friday)

PLEASE PRINT CLEARLY

**REGISTRATION**

STUDENT'S NAME: \_\_\_\_\_

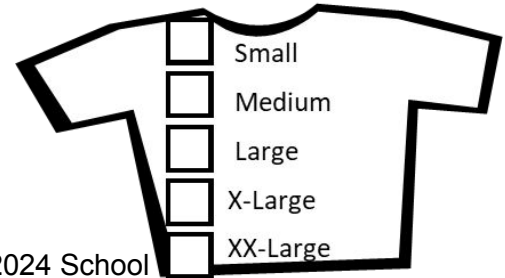
GRADE COMPLETED (2023-2024) SCHOOL YEAR: \_\_\_\_\_

PARENT'S EMAIL: \_\_\_\_\_

Please Indicate Adult T-shirt Size

All Sessions will be held the week of June 24th through June 27th

- Session 1: Engineering Design and Problem Solving
- Session 2: Robotic Design & Control
- Session 3: Film and Video Production



**PLEASE NOTE:** For Parkland Students enrolled in 9th-11th grade in the 2023-2024 School

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

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

**Please include a check on the amount of \$100**

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: \_\_\_\_\_