

# *Parkland STEMM Academy Middle School 2022 Summer Day Camp June 20th to June 24th (Monday-Thursday in person, Friday Virtual) Registration Deadline: May 12, 2022*

## **What is STEMM?**

Education in Science, Technology, Engineering, Mathematics and Medicine (STEMM) 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 STEMM 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”.
- A Late Fee of \$25 is required, if registration is not received by the May 4th deadline.

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## **STEMM 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.

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## **STEMM Academy Summer Day Camp – Level 2** (Grade 8) - Session 2 (12:00 — 3:30 pm)

This middle school aged workshop is geared toward students who have previously completed the Level 1 Session. This program will challenge students to engineer solutions to problems using K’NEX and other materials. This week- long workshop is both fun and challenging, all while helping students to develop essential design and problem-solving skills necessary for Parkland High School Engineering and STEMM related courses.

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

Our STEMM 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 STEMM Academy Registration  
And  
Summer Camp PERSONAL/HEALTH DATA FORM  
June 20th - June 24th  
(Monday-Thursday in person, Friday Virtual)  
Registration Deadline: May 12, 2022**

**PLEASE PRINT CLEARLY**

**REGISTRATION**

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

**GRADE COMPLETED (2021-2022) SCHOOL YEAR:** \_\_\_\_\_ **School:** \_\_\_\_\_

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

**All Sessions will be held the week of June 20th through June 24th**

*Session 1: STEMM Level 1 (AM Session)*

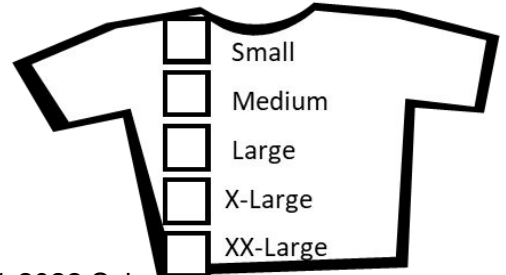
*Session 2: Amazing Brain (AM Session)*

*Session 3: STEMM Level 2 (PM Session)*

*Session 4: Video Production (PM Session)*

*Session 5: Forensic Science (PM Session)*

Please Indicate Adult T-shirt Size



**PLEASE NOTE:** For **Parkland Students** enrolled in 6th-8th grade in the 2021-2022 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** *(There will be a late fee of \$25 if registration is received after May 12th)*

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:** \_\_\_\_\_