## SMART FIT KIDS - CAPE ST. CLAIRE STEM SUMMER CAMP 2023



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Campers (ages 4-14) will work together on educational projects every week. They will use core scientific concepts to design and build, test and experiment, according to their age and learning level. STEM Camp will engage your children all summer with daily field trips, STEM classes, academics, athletics, and crafts. Camp is open to public, private, and homeschool students.

## ENGAGING SPORTS, FIELD TRIPS, ARTS & CRAFTS, GAMES & FUN! AGES 4 − 14 ● JUNE 19 TO AUG 25 ● 8:00 AM − 5:00 PM

STEM Schedule and Field Trips

| Week              | Theme                        | Monday   | Tuesday  | Wednesday  | Thursday  | Friday  |
|-------------------|------------------------------|--|--|--|---|---|
| June<br>19        | Marble<br>Roller Coasters    | Explore Newton's Laws<br>On-site<br>Obstacle Course                    | Design & Build Slides In-house Movie Theater         | <b>Design &amp; Build Ramps</b> Virtual Theme Parks            | Design &<br>Build Coasters<br>Mini Golf               | <b>Test &amp; Launch</b><br>Swimming                      |
| June<br>26        | Operation Rescue<br>Drop     | Parachute Design<br>On-site<br>Obstacle Course                         | Constructing A Parachute In-house Movie              | Parachute Testing<br>Guest Speaker on Site                     | Redesign & Test<br>National Electronic<br>Museum      | Parachute Launch<br>Swimming                              |
| July<br>3         | Blast OFF!                   | Discover Air Pressure On-site Obstacle Course                          | CAMP CLOSED<br>4th of July                           | Rocket Blaster Design<br>Virtual Tour - Air<br>& Space Museum  | Engineer A<br>Rocket Blaster<br>NASA Space Center     | Rocket & Launch<br>Swimming                               |
| July<br>10        | House<br>Building            | Intro to Tiny House Building On-site Obstacle Course                   | Design, Measurement,<br>& Geometry<br>In-house Movie | Dream Home Design<br>Virtual Tour<br>of Architecture           | Stability Testing<br>Restaurant Tours                 | Enjoy Your New Home<br>Swimming                           |
| July<br><b>17</b> | Robotics                     | Meet Your Robot<br>On-site<br>Obstacle Course                          | Disassemble &<br>Reassemble<br>In-house Movie        | Coding Challenge<br>Virtual Robot<br>Manufacturing Tour        | Mission & Challenges<br>National Electronic<br>Museum | Showcase Your<br>Robots<br>Swimming                       |
| July<br>24        | Camp Survival<br>(STEM)      | Survival Basics<br>On-site<br>Obstacle Course                          | Investigating Science<br>Outdoors<br>In-house Movie  | Navigation, Pacing &<br>Measuring Distance<br>In-house Speaker | Edible Food<br>In The Wild<br>Downs Park              | Engineering a Fort<br>Swimming                            |
| July<br>31        | Solar Oven                   | What is Alternative Power? On-site Obstacle Course                     | Solar Oven Design<br>In-house Movie                  | Solar Oven Construction Virtual Tour of Solar Energy Site      | Oven Testing<br>Mini Golf                             | <b>Lets Start Cooking</b><br>Swimming                     |
| Aug<br>7          | Extraordinary<br>Inventions  | Invention Basics<br>& Application<br>On-site<br>Obstacle Course        | <b>Design &amp; Plan</b><br>In-house Movie           | <b>Build a Prototype</b> Virtual Tour - Invention Museum       | <b>Test &amp; Redesign</b><br>Downs Park              | Invention Showcase<br>Swimming                            |
| Aug<br><b>14</b>  | Creative Arts                | Intro to Creative Arts<br>Virtual Doodle<br>Hatch Museum               | <b>Painting</b><br>In-house                          | <b>Nature Arts</b><br>Bowling                                  | Food Arts<br>Virtual City Tours                       | Showcase<br>Your Creation<br>On-Site<br>Obstacle Course   |
| Aug<br><b>21</b>  | City Planning                | City Character<br>& Communities<br>Guest Speaker:<br>Architect On-site | Research & Design<br>In-house Movie                  | <b>City Planning</b><br>Virtual City Tours                     | <b>Build The City</b><br>Guest Speaker On-site        | New City Showcase<br>End of Summer<br>Celebration On-site |
| Aug<br>28         | Day Camp for<br>Kindergarten | Meeting New Friends<br>On-site<br>Obstacle Course                      | Making Memories<br>Together                          | End of Camp Fun  |   |   |

Field Trips and Activities may be subject to change. The last week of camp is for students who have a staggered start. Campers from areas outside of Severna Park, Arnold, Annapolis, Pasadena, and Glen Burnie receive free before and aftercare. Limited amount of Financial Aid available. Spots are first come, first serve.

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