



# GCDC SUMMER STEAM CAMP 2025

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**June 30 – August 15, 2025 | ALL THINGS STEAM**

This summer, GCDC invites children to dive into hands-on learning adventures focused on Science, Technology, Engineering, Art, and Math. Each week features a fun themed mission designed to spark curiosity, ignite learning, and deepen concept development.

## 🌟 Weekly Missions

### **June 30 – July 4 — Mission 1: STEM into Bridges**

Children will explore bridge building with paper, popsicle sticks, and recycled materials while learning about all types of bridge structures.

### **July 7 – July 11 — Mission 2: Bubbles, Bubbles, Bubbles Galore!**

Investigate the science of bubbles and create custom bubble wands using chemistry and a variety of materials for testing.

### **July 14 – July 18 — Mission 3: Fizz, Pop, Bang!**

Get ready for some chemical excitement! We will launch Alka-Seltzer rockets and experiment with Pop Rocks to explore chemical reactions.

### **July 21 – July 25 — Mission 4: STEAM into Nature**

Children will create beautiful nature-inspired tapestries using collected outdoor items. We'll also enjoy a summer field trip to the Maryland Science Center.

### **July 28 – August 1 — Mission 5: Dinosaurs Roar! Roar!**

Children will learn about different types of dinosaurs, make dinosaur fossils, and go on excavation adventures in our sandbox.

### **August 4 – August 8 — Mission 6: Bug Mania!**

Children explore and compare the anatomy of insects. We'll explore the NASA GSFC campus to investigate bugs in soil, water, and trees. We'll end the week with a summer picnic.

## **August 11 – August 15 — Mission 7: Space is the Place!**

Become a young astronaut! Simulate space missions, mix reactions in labs, and build rockets from recycled materials.

### **Outdoor Weather Guidelines**

#### **Code RED**

Outdoor play limited to 10–15 minutes. Sprinkle Time still occurs as scheduled.

#### **Code ORANGE**

Outdoor play limited to 25 minutes. Sprinkle Time still occurs as scheduled.

#### **Code YELLOW**

Outdoor play limited to 40 minutes. Sprinkle Time still occurs as scheduled.

#### **Code GREEN**

Full 1-hour outdoor play allowed.

### **Sprinkle Time Fun (Wednesdays & Thursdays)**

Every Wednesday & Thursday from 10:00–11:00 AM or 11:00–12:00 PM, children participate in fun water play activities! Staff are encouraged to join in.

#### ✓ What to Bring Each Sprinkle Day:

- Swimsuit or swim trunks
- Towel
- Enclosed water shoes (no open-toed sandals or flip-flops)
- Mini spray bottle (labeled with child's name)
- Sunscreen (apply before drop-off; label for reapplication with signed Medication Form)
- Plastic bag for wet clothes