

SCIENCE TECHNOLOGY ENGINEERING ART MATHEMATICS

**ART + SCIENCE = PROGRESS**

## GCDC Summer Curriculum

**June 26<sup>th</sup>-August 18<sup>th</sup>**

The theme for the GCDC 2023 Summer Program will be **ALL THINGS STEAM**. Our summer investigations will focus on Science, Technology, Engineering, Art, and Math. We have selected this theme to align with the interest specifically identified by our students enrolled in the 22-23 SY here at GCDC. Through this theme children will learn and have fun exploring.

- Having an intentionally focused STEAM camp is one of the most effective ways for children to learn about science and technology, while developing skills in literacy, math, the arts, and technology.
- It supports children's wonderful ability to become totally engaged in topics and activities of their interest that challenges and extends their thinking to higher levels.
- Our themes are meaningful to children because they provide opportunities to gain information through direct observation and experimentation and then link new ideas to their existing knowledge.

Are you or do you know a Geologist, Astronomer, Petrologist, Earth Scientist, Geologist, Geoscientist, Architect, Physicist, Radiologist, Environmentalist or Entomologist? Well, we need your help. Please sign up to come and talk to the children about what you do or conduct a fun science experiment.



# GCDC ALL THINGS STEAM Summer Camp

## **June 26-July 7      Mission 1 & 2: Space is The Place!**

The children will learn how astronauts train for space travel. We will exercise and train just like the astronauts. Children will pretend to work on the ISS! They will have lots of time to explore as if they worked in their own scientific test labs. The young astronauts will mix materials and observe the reactions. Can you imagine a scientist taking a soil sample on Mars! We will make STEAM crafts to create astronauts and even rockets made from recycled materials. Get ready to board the ISS!

## **July 10-July 20      Mission 3 & 4: Dinosaurs Roar!**

Roar! Children will learn about all the different types of dinosaurs that once roamed the world. They will identify the many different characteristics of dinosaurs. We will make dinosaur fossils and set up an excavating adventure in the sandbox.

## **July 24-July 28      Mission 5: Fizz, Pop, Bang!**

What's a summer without a bang! Children will mix ingredients to make a chemical reaction. They will make Alka Seltzer Rockets blast off high into the sky! We will explore viscosity in an experiment with Pop-Rocks!

## **July 31- August 4      Mission 6: Hello Robo!**

We will spend some time learning about coding! Children will have the opportunity to explore Bee-Bots. They will then code the Bee-Bots to move through a predefined maze that they help design.

## **August 7-August 11      Mission 7: Ooey, Gooey Science!**

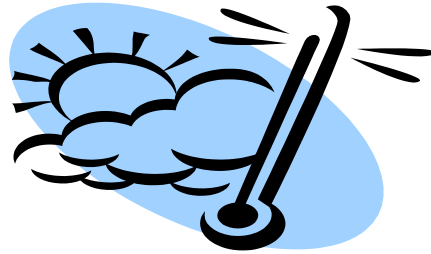
This week we will learn all about physical properties. Children will measure and mix ingredients to make silly putty, magnetic slime, and bouncy balls. We will incorporate the scientific process and test different measurements of ingredients to observe how the changes in the physical properties take place.

## **August 14-August 18      Mission 8: Bubbles, Bubbles, Bubbles Galore!**

Children will have an exciting time putting their curiosity to work to explore bubbles. We will explore what are bubbles, how are they formed, and what chemical solution makes the best bubbles. We will use different materials to design and create bubble wands. We will end the week with a bubble party, putting their mixing magic to work!

**\*Curriculum Break --- Week of August 21st - August 25<sup>th</sup> ---Curriculum Break\***

# Hot Summer Days!



When a code **RED** has been issued:

Outdoor playtime will be limited to **10-to-15-minute** increments. On Wednesday & Thursday, Sprinkle Time activities will be permitted at the regular scheduled time.

When a code **ORANGE** has been issued:

Outdoor play will be limited to **25-minute** increments. On Wednesdays & Thursdays, Sprinkle Time activities will be permitted at the regular scheduled time.

When a code **YELLOW** has been issued:

Outdoor play will be limited to **40-minute** increments. On Wednesdays & Thursdays, Sprinkle Time activities will be permitted at the regular scheduled time.

When a code **GREEN** has been issued:

Outdoor play will remain at the regular scheduled playtime of **1 hour**.

GCDC monitors the weather/air quality each day. Ms. Lakshini Wijeweera is the Lead on this to ensure that everyone is aware and can make the best decision possible to keep our little ones safe.

## Special Guest/In-House Summer Field Trips

**Spectacular Science Show -Preschool 1, 2, 3's of Science - This show is filled with colors! "Feel" sound and help us make music as we explore how sound is made! Watch as we mix potions together to make a beautiful rainbow! Hear dry ice talk and see how we can make it blow up a balloon! This is a 35-minute show that is packed with lots of fun and excitement!**



# Sprinkle Time!

Sprinkle time is such an enjoyable time for the staff and children! Sprinkle time is during outdoor play from **10:00 am-11:00 am or 11:00 am-12:00 pm every Wednesday & Thursday**. While outside, children enjoy playing fun water games, running through the sprinklers, and exploring in the water tables. Our staff is encouraged to participate with the children to promote social interaction, group participation and to keep the children's body temperature cool. The following materials are **required** every **Wednesday & Thursday**:

- Swimsuit/Swim trunks
- Towel
- Water Shoes - **for safety reasons, please only bring enclosed water shoes and avoid open toed sandals** (children without water shoes will not be able to participate during sprinkle time and will be provided with an alternative activity)
- Mini spray bottle (with child's name labeled on bottle)
- Sunscreen (**You must have a completed sunscreen form on file, if you want teacher to reapply sunscreen**)
- A plastic bag for wet clothes

*(\*some classrooms may participate in additional Sprinkle Days during the week. Your classroom teacher will keep you informed.)*

Parents must apply sunscreen before school each day. If your child needs a second application during the day, a Medication Form is required. Everything should be labeled with the child's first and last name. Teachers will store all sunscreen in their teacher's cabinet in each classroom. **Office of Child Care regulations does not permit us to store sunscreen in the children's lockers.**