STEM Camp Teacher Schedule:

1st-2nd Grade

	Week 1	Week 2
AM	Samantha Moore Omeclia Holden	Teyondra Burch Jen Villalpando
PM	Jessica Sisco Greg Smith	Jen Villalpando Greg Smith

3rd-5th Grade

	Week 1	Week 2
AM	Jen Villalpando Ashley Locher Teyondra Burch	Andria Yost Gretchen Mineni Omeclia Holden
PM	Samantha Moore Jen Villalpando	Ashley Locher Courtney Hansen-Jablonski

6th-8th Grade

	Week 1	Week 2
AM	Dan Lynn Courtney Hansen-Jablonski Gabe	Dan Lynn Ashley Locher Courtney Hansen-Jablonski
PM	Courtney Hansen-Jablonski Ashley Locher	Andria Yost Gretchen Mineni

Samantha Moore-

- Week 1 AM- 1st-2nd Grade
    - Class Name: Lego Engineering
    - Class Description: Take Lego building to the next level with challenges like designing an off-road vehicle with a battery powered motor, creating a rubber band launch, and constructing a Lego zip line. Get ready to test and revise your designs, share your innovative ideas, and bring your creations to life. In this class you will be inspired and challenged as you build on problem solving skills just like an engineer. Your imagination is the limit!
- Week 1 PM- 3rd-5th Grade
    - Class Name: Lego Engineering
    - Class Description: Take Lego building to the next level with challenges like designing an off-road vehicle with a battery powered motor, creating a rubber band launch, and constructing a Lego zip line. Get ready to test and revise your designs, share your innovative ideas, and bring your creations to life. In this class you will be

inspired and challenged as you build on problem solving skills just like an engineer. Your imagination is the limit!

Omeclia Holden-

- Week 1 AM- 1st-2nd Grade
    - Class Name: Break It, Build It, Fix It!
    - Class Description: In this STEM class, students explore how things work by taking them apart, building new creations, and solving problems when things go wrong. Through hands-on activities, they learn about engineering, teamwork, and creative thinking. Students will discover that making mistakes is part of learning and that they can always try new ways to fix and improve their ideas.

- Week 2 AM- 3rd-5th Grade
    - Class Name: Break It, Build It, Fix It!
    - Class Description: In this STEM class, students explore how things work by taking them apart, building new creations, and solving problems when things go wrong. Through hands-on activities, they learn about engineering, teamwork, and creative thinking. Students will discover that making mistakes is part of learning and that they can always try new ways to fix and improve their ideas.

Teyondra Burch-

- Week 1 AM- 3rd-5th Grade
    - Class Name: Earth Perks: What's Really Going on with Our Planet?
    - Class Description: During this class students will learn about the pieces and parts that make up the Earth. They will also get a chance to see the changes that happen due to erosion, natural disasters, and the part they play in all of it. Come check out the Earth and what it's doing...outside of rotating.

- Week 2 AM- 1st-2nd Grade
    - Class Name: Earth Perks: What's Really Going on with Our Planet?
    - Class Description: During this class students will learn about the pieces and parts that make up the Earth. They will also get a chance to see the changes that happen due to erosion, natural disasters, and the part they play in all of it. Come check out the Earth and what it's doing...outside of rotating.

Jen Villalpando-

- Week 1 AM & PM- 3rd-5th Grade
    - Class Name: The Curious Crew
    - Class Description: In *The Curious Crew*, students explore, experiment, and create through hands-on STEM challenges. From building towers and launching balloon rockets to designing egg-drop solutions, each activity brings science and

engineering to life. Students use the engineering design process—*Ask, Imagine, Plan, Create, Improve*—to think critically, collaborate, and solve problems creatively. Mistakes are part of the process, helping students learn to rethink, redesign, and try again. By the end of the week, students build confidence, resilience, and a lasting curiosity for learning. Come get curious—where every question leads to discovery!

- Week 2 AM & PM- 1st-2nd Grade
    - Class Name: The Curious Crew
    - Class Description: In *The Curious Crew*, students explore, experiment, and create through hands-on STEM challenges. From building towers and launching balloon rockets to designing egg-drop solutions, each activity brings science and engineering to life. Students use the engineering design process—*Ask, Imagine, Plan, Create, Improve*—to think critically, collaborate, and solve problems creatively. Mistakes are part of the process, helping students learn to rethink, redesign, and try again. By the end of the week, students build confidence, resilience, and a lasting curiosity for learning. Come get curious—where every question leads to discovery!

Jessica Sisco-

- Week 1 PM- 1st-2nd Grade
    - Class Name: Mini Manufacturing- Melt, Mold, & Mix
    - Class Description: In this creative and hands-on maker class, students explore the exciting world of manufacturing by casting everyday materials like chocolate, hot glue, and soap into custom shapes. Using silicone molds and simple heat sources, students will melt, pour, and form their own creations. Along the way, they will learn about the states of matter, mold-making, and how real-world products are designed and manufactures using casting techniques.

Greg Smith-

- Week 1 PM- 1st-2nd Grade
    - Class Name: Build it. Move it. Code it.
    - Class Description: Get ready to imagine, design, and bring creations to life! In this fun, hands-on class, students will explore the exciting world of robotics using LEGO robotics and other kid-friendly building kits. Campers will build simple machines, make them move, and even learn the basics of coding to control their creations. Through playful challenges and teamwork, students will develop problem-solving skills, creativity, and confidence as young engineers. Whether it's a spinning robot, a moving vehicle, or a silly invention, every day is a new chance to build it, move it, and code it!
- Week 2 PM- 1st-2nd Grade

- Class Name: Build it. Move it. Code it.
- Class Description: Get ready to imagine, design, and bring creations to life! In this fun, hands-on class, students will explore the exciting world of robotics using LEGO robotics and other kid-friendly building kits. Campers will build simple machines, make them move, and even learn the basics of coding to control their creations. Through playful challenges and teamwork, students will develop problem-solving skills, creativity, and confidence as young engineers. Whether it's a spinning robot, a moving vehicle, or a silly invention, every day is a new chance to build it, move it, and code it!

Ashley Locher-

- Week 1 AM-3rd-5th
  - Class Name: Balloon Car Racing
  - Class Description: In this hands-on STEM class, students will design, build, and race their own balloon-powered cars! Students will explore key concepts in physics and engineering, including force, motion, friction, and air resistance. Using simple materials, they will apply the engineering design process to create a functional vehicle powered only by air. Throughout the project, students will measure distance, time, and speed to analyze their car's performance. They will test and refine their designs, using data to make improvements and maximize efficiency. The unit will culminate in an exciting race day where students showcase their final designs and compete with their classmates.
- Week 1 PM- 6th-8th
  - Class Name: Balloon Car Racing
  - Class Description: In this hands-on STEM class, students will design, build, and race their own balloon-powered cars! Students will explore key concepts in physics and engineering, including force, motion, friction, and air resistance. Using simple materials, they will apply the engineering design process to create a functional vehicle powered only by air. Throughout the project, students will measure distance, time, and speed to analyze their car's performance. They will test and refine their designs, using data to make improvements and maximize efficiency. The unit will culminate in an exciting race day where students showcase their final designs and compete with their classmates.
- Week 2 AM-6th-8th
  - Class Name: Let's Get Chemical
  - Class Description: In this exciting STEM class, students will explore the world of chemical reactions through hands-on experiments and investigations. Students will mix, test, and observe a variety of substances to discover how and why chemical changes occur. Throughout the class, students will learn to identify signs of chemical reactions such as color change, gas production, temperature change, and the formation of new substances. They will safely conduct experiments, collect data, and analyze their results to draw scientific conclusions. Students will also practice critical thinking by making predictions, testing hypotheses, and adjusting their methods based on evidence. This unit emphasizes lab safety, collaboration,

and real-world connections to chemistry, helping students understand how chemical reactions impact everyday life. Get ready to experiment, explore, and think like a scientist!

- Week 2 PM- 3rd-5th
    - Class Name: Let's Get Chemical
    - Class Description: In this exciting STEM class, students will explore the world of chemical reactions through hands-on experiments and investigations. Students will mix, test, and observe a variety of substances to discover how and why chemical changes occur. Throughout the class, students will learn to identify signs of chemical reactions such as color change, gas production, temperature change, and the formation of new substances. They will safely conduct experiments, collect data, and analyze their results to draw scientific conclusions. Students will also practice critical thinking by making predictions, testing hypotheses, and adjusting their methods based on evidence. This unit emphasizes lab safety, collaboration, and real-world connections to chemistry, helping students understand how chemical reactions impact everyday life. Get ready to experiment, explore, and think like a scientist!

Andria Yost-

- Week 2 AM- 3rd-5th Grade
    - Class Name: Intro to the Fab Lab
    - Class Description: Students will get hands-on experience with the tech skills required to design and produce at the Fab Lab. Each day will engage students in new ways, such as laser cutting and engraving, 3D printing, large format printing, or heat transfer sublimation. Students will create a portfolio of Fab Lab products and share their work at the end of the week.
- Week 2 PM- 6th-8th Grade
    - Class Name: Intro to the Fab Lab
    - Class Description: Students will get hands-on experience with the tech skills required to design and produce at the Fab Lab. Each day will engage students in new ways, such as laser cutting and engraving, 3D printing, large format printing, or heat transfer sublimation. Students will create a portfolio of Fab Lab products and share their work at the end of the week.

Gretchen Mineni

- Week 2 AM- 3rd-5th Grade
    - Class Name: Once Upon a STEM: Engineering Fairy Tales into Reality
    - Class Description: Step into a world where fairy tales meet engineering! In Once Upon a STEM, you won't just read stories, you'll solve their problems. Can you build a chair that won't break under Goldilocks? Design a house strong enough to survive

the Big Bad Wolf? Or create a bridge sturdy enough for the Three Billy Goats Gruff? Through hands-on challenges, teamwork, and creativity, you'll use the engineering design process to turn classic fairy tales into real-life inventions. Get ready to build, test, redesign, and have a ton of fun along the way. If you like creating, problem-solving, and a little bit of magic…this class is for you!

- Week 2 PM- 6th-8th Grade
    - Class Name: Once Upon a STEM: Engineering Fairy Tales into Reality
    - Class Description: Step into a world where fairy tales meet engineering! In Once Upon a STEM, you won't just read stories, you'll solve their problems. Can you build a chair that won't break under Goldilocks? Design a house strong enough to survive the Big Bad Wolf? Or create a bridge sturdy enough for the Three Billy Goats Gruff? Through hands-on challenges, teamwork, and creativity, you'll use the engineering design process to turn classic fairy tales into real-life inventions. Get ready to build, test, redesign, and have a ton of fun along the way. If you like creating, problem-solving, and a little bit of magic…this class is for you!

Gabe Guerrero-

- Week 1 AM- 6th -8th Grade
    - Class Name: Design It. Make It. Fabricate It.
    - Class Description: Turn your ideas into real-world creations in this hands-on STEM class! Students will dive into the world of graphic design, learning how to create digital artwork, logos, and product concepts using beginner-friendly design software. Then, they'll bring those designs to life in the Fab Lab using tools like 3D printers, laser cutters, and vinyl cutters. Along the way, campers will build skills in creativity, design thinking, and problem-solving as they prototype and refine their projects. From concept to creation, this class empowers students to design it, make it, and fabricate it!

Courtney Hansen-Jablonski-

- Week 1 AM- 6th-8th Grade
    - Class Name: Sky Engineers: Designing, Building, and Testing Kites
    - Class Description: Take learning to new heights as you become a sky engineer! In this hands-on unit, students will discover the science of flight by designing, building, and flying their own homemade kites. Working in teams, you'll experiment with different shapes, materials, and designs to explore what helps kites soar—or crash. Through creative challenges, trial and error, and real-world testing, you'll master the basics of lift, drag, and aerodynamics while having fun outdoors. Get ready to engineer, fly, and refine your creations as you unlock the secrets of the skies!
- Week 1 PM- 6th-8th Grade

    - Class Name: Electric Playgrounds: Invent, Code, and Create with Makey Makey & Scratch
    - Class Description: Dive into hands-on STEM adventure by turning everyday objects into interactive inventions! In this unit, students will explore the science of electricity and circuits using Makey Makey kits, then unlock their creativity by coding custom projects in Scratch. From building a unique video game to designing and wiring a personalized game controller, students will blend problem-solving, engineering, and programming skills. By the end, you'll not only understand how circuits and code power the digital world—you'll have invented your own!
- Week 2 AM- 6th-8th Grade
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    - Class Description: Take learning to new heights as you become a sky engineer! In this hands-on unit, students will discover the science of flight by designing, building, and flying their own homemade kites. Working in teams, you'll experiment with different shapes, materials, and designs to explore what helps kites soar—or crash. Through creative challenges, trial and error, and real-world testing, you'll master the basics of lift, drag, and aerodynamics while having fun outdoors. Get ready to engineer, fly, and refine your creations as you unlock the secrets of the skies!
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Daniel Lynn-

- Week 1 AM- 6th-8th Grade
    - Class Name: Exploring the world of Fluid Power
    - Class Description: In the class Exploring the world of Fluid Power, the students will learn about pneumatics and hydraulics. Students will learn about cylinders, directional control, valves and actuators. Students will build circuits and draw the circuits they build.

- Week 2 AM- 6th-8th Grade
    - Class Name: Exploring the world of Fluid Power
    - Class Description: In the class Exploring the world of Fluid Power, the students will learn about pneumatics and hydraulics. Students will learn about cylinders, directional control, valves and actuators. Students will build circuits and draw the circuits they build.