



Elm Fork Education Center

Explorer's Camp 2021

June 7, 2021– July 23, 2021

All camps meet in the Environmental Science Building on the corner of Hickory St. and Avenue C on the campus of the University of North Texas

Explorer's Camps are weeklong half-day sessions that meet Monday – Friday 8 a.m. to 12 noon. Drop off begins at 7:30 am with pickup by 12:30 p.m. unless other arrangements have been made. All camp sessions have a maximum enrollment of 10 campers. **\$125 per week**

| Elm Fork Explorer's Camp 2021 | | | | |
|-------------------------------|---------------------------------|-----------------|--------------------------|-----------------|
| Week /Grade Entering | 2nd - 4th | 3rd- 5th | 3rd- 5th | 6th - 8th |
| June 7-11, 2021 | Innovention | Science of Art | Dig In Time | One Ocean |
| June 14-18, 2021 | Journey to the Center | Simply Machines | Chem2Kids | Elements of Art |
| June 21-25, 2021 | Creative Science | AstroKids | Just Beneath the Surface | Just a Phase |
| June 28 – July 2 | Growing Up Wild | Chem2Kids | Wave Science | Eco-Tech |
| July 5-9, 2021 | Closed for July 4 th | | | |
| July 12-16, 2021 | Creative Science | Simply Machines | Dig In Time | Astro-Biology |
| July 19-23, 2021 | Innovention | AstroKids | Just Beneath the Surface | E-CSI |

Camp registration will begin on **April 1, 2021**. To register send a completed registration form to brian.wheeler@unt.edu . Camp reservations are first come first serve so please register as early as possible to secure your spot. Payment will be accepted no more than 30 days prior to the beginning of each camp session.

All participants must present a negative COVID test conducted within 72 hours days of the start of your first camp session and every other week

thereafter if enrolled for multiple weeks.

Participant who become ill or display symptoms of COVID-19 will be required to leave camp immediately. A return to camp will be dependent on a negative COVID test, minimum of 24 hours without fever and/or doctors note.

A signed Participation Agreement outlining the health and safety expectations of the University of North Texas and Elm Fork Education Center will be required prior to the start of camp.

Week 1 – June 7-11, 2021

2nd -4th Grade

Innovention – Innovention is an introduction to engineering! Campers will be brainstorming, designing, and building a new game or toy, or improving an existing product. In the course of the week, we will also investigate and discover new ways of accomplishing tasks, such as Squish Circuits. **\$125**

3rd – 5th Grade

Science of Art - Knowledge of physics, chemistry and even biology can help an artist better understand and visualize the world they live in. Campers will experience first-hand how artists use science to make art. **\$125**

Dig-In Time - Dig-In Time is an archaeological adventure! As part of an archaeological team the campers will undertake an expedition to uncover the secrets of North Texas' past. Join us for a Dig-In Time and help uncover and discover the untold stories that lie in the soil! **\$125**

6th- 8th Grade

One Ocean - Did you just learn that there are four oceans? Join us to explore how Earth's one ocean influences weather and climate, how its inhabitants produce much of the oxygen we breathe, how the life found in the ocean feeds us, and how its currents are used to connect humans around the Earth, as well as the myriad of ocean life forms that inspire and amaze us. **\$125**

Week 2 – June 14-18, 2021

2nd -4th Grade

Journey to the Center of the Earth - Join us on a journey through time as we explore the Geological Time Scale! Participants will discover Geological changes over billions of years, and will take a close look at the creatures who walked, flew, and swam millions of years ago. **\$125**

3rd – 5th Grade

Simply Machines – Rediscover the technology that allowed ancient cultures to build pyramids, castles, ships that could cross oceans and the weapons used to destroy them all. Discover how modern engineers use the lever, wheel and inclined plane to build more efficient, faster and complex machines. **\$125**

Chem2Kids - Between kick the can ice cream to making our own bouncing balls, this camp will explore chemistry in a fun light! Campers will dive into the world of chemistry with fun, hands-on activities, experiments, and demonstrations! **\$125**

6th- 8th Grade

Elements of Art - Explore the intersection of art and science to better understand the properties and performance of materials used to create art. Expand your knowledge of how to apply physics, chemistry and engineering to better understand how artists use materials. Each day of camp will include an in depth study of the structure and properties of particular art materials. Campers will then be able to test the performance of each material by creating their own art. **\$125**

Week 3 June 21-25, 2021

2nd -4th Grade

Creative Science - Discover how Science and Art are interrelated! After a week of creating work, campers will have their own art exhibition for parents and friends to attend. **\$125**

3rd – 5th Grade

AstroKid Academy - Join a week of astronaut training. Campers will explore the universe, learn about the physical and mental preparation for space exploration and the science of launching a NASA shuttle into space. Campers will also work to build and launch their own rocket! **\$125**

Just Beneath the Surface (JBS) - Have you ever wondered what makes a pond a pond? Or what the difference is between a lake and a pond, or a creek, stream and river. Campers will discover what's beneath the surface by examining the water itself and exploring insects, tadpoles, fish, microscopic organisms, and more. **\$125**.

6th- 8th Grade

Just a Phase - Campers will conduct experiments to observe the macroscopic transformations of matter—phase change, dissolution, reaction—and apply kinetic particle theory to explain

those transformations at the microscopic level. Each camper will produce a 3 minute or less video demonstrating how to conduct one of the experiment. **\$125**

Week 4 June 28, 2021 – July 2, 2021

2nd -4th Grade

Growing Up Wild @ Elm Fork- Based on the award winning Growing Up WILD nature program, our campers will be WILD for a camp that takes them on a journey of the WILD just outside their door. Wiggling like a worm, jumping like a grasshopper, or eating like a bird are just the beginning of being WILD in the Elm Fork outdoors.. **\$125**

3rd – 5th Grade

Chem2Kids - Between kick the can ice cream to making our own bouncing balls, this camp will explore chemistry in a fun light! Campers will dive into the world of chemistry with fun, hands-on activities, experiments, and demonstrations! **\$125**

Wave Science – Highlights from Science Vision and Sound Science will be brought together to explore the wonders of light and sound. Discovery how and why scientist produce, measure and analyze light and sound waves to explore our natural world. **\$125**

6th- 8th Grade

Eco-Tech Engineers make things work! Test your communication skill and creativity with problem solving challenges using recycled material. **\$125**

July 5-9, 2021 Closed for Holiday Break

Week 5 July 12-16, 2021

2nd -4th Grade

Creative Science - Discover how Science and Art are interrelated! After a week of creating work, campers will have their own art exhibition for parents and friends to attend

3rd – 5th Grade

Dig-In Time - Dig-In Time is an archaeological adventure! As part of an archaeological team the campers will undertake an expedition to uncover the secrets of North Texas' past. Join us for a Dig-In Time and help uncover and discover the untold stories that lie in the soil! **\$125**

Simply Machines – Rediscover the technology that allowed ancient cultures to build pyramids, castles, ships that could cross oceans and the weapons used to destroy them all. Discover how modern engineers use the lever, wheel and inclined plane to build more efficient, faster and complex machines. **\$125**

6th- 8th Grade

Astro-Biology – What is the Fermi Paradox? Why is NASA constantly sending rovers to Mars? Take a deep dive into the Perseverance Rover mission to discover the tools and methods NASA will use on the surface of Mars to determine if life ever existed there. If we do find proof of life on Mars what does that tell us about Earth or about the chance of finding life outside our solar system.

Week 6 July 19-23, 2021

2nd -4th Grade

Innovention – Innovention is an introduction to engineering! Campers will be brainstorming, designing, and building a new game or toy, or improving an existing product. In the course of the week, we will also investigate and discover new ways of accomplishing tasks, such as Squish Circuits. **\$125**

3rd – 5th Grade

AstroKid Academy - Join a week of astronaut training. Campers will explore the universe, learn about the physical and mental preparation for space exploration and the science of launching a NASA shuttle into space. Campers will also work to build and launch their own rocket! **\$125**

Just Beneath the Surface (JBS) - Have you ever wondered what makes a pond a pond? Or what the difference is between a lake and a pond, or a creek, stream and river. Campers will discover what's beneath the surface by examining the water itself and exploring insects, tadpoles, fish, microscopic organisms, and more. **\$125.**

6th- 8th Grade

Environmental Crime Scene Investigation (ECSI) What is the Anthropocene? Have humans changed the Earth's climate? Do cows cause global warming? Learn to apply the forensic skills that climatologist use to build models of the Earth's atmosphere in the past and how they use that data to build predictive models. What does the evidence actually tell us? **\$125**