

Hands-on Science

- The *Simply S.T.E.A.M.* program includes hands-on learning and take home assignments. Homework is **necessary** to succeed in this class.
- **Only serious students should register for this program.**
- Testing is done to encourage mastery. Parents are able to access their students learning progress through online resources.
- Class can get messy at times. Please dress accordingly.
- The class has a minimum registration of 10 students. If this minimum is not met, the class may be cancelled at the discretion of the instructor.
- Class rotations max out at 18 students. Please secure your spot early.

About Us

Akron Fossils and Science Center is a learning center that explores many scientific models in historical and operational science. These models do include Creation Science, Intelligent Design, and Catastrophism.

Our *Simply S.T.E.A.M.* classes teach science with an open mind and encourage critical thinking, allowing the students to decide for themselves in complicated areas of understanding.



2080 S. Cleveland-Massillon Rd.
Copley, OH 44321

Location

Conveniently located in Copley Township only fifteen minutes from downtown Akron.



Find and print driving directions on our website.



More things to do...

Akron Fossils and Science Center has many other learning opportunities along with a play park where you can have fun on a Giant Slide, 200 ft. long Zip Line, 4-man Helicopter Swing... and much more! We also have a play area for the younger children and a picnic area for bringing lunches. Admission to the center or the park is separate from all class fees.

AKRON
FOSSILS & SCIENCE CENTER®

2080 S. Cleveland-Massillon Rd. - Copley, Ohio 44321
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www.AkronFossils.org

Simply S.T.E.A.M.

AKRON
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Science Technology Engineering Art Mathematics



- **Who:** Home-Educated Students in the 4-7th grades
- **What:** A S.T.E.A.M. based program that runs during the school year with 2 sessions (Fall and Spring) that consists of 28 weeks total.
- **When:** Thursdays from 9a.m.—3:30 p.m. (This is an all day program. Students receive a one hour supervised break for lunch. Students must pack their own food for the day. Snacks and drinks can be purchased in the gift shop.)
- **Where:** Akron Fossils and Science Center
- **Why:** To engage curious students in the areas of science, technology, engineering, art, and mathematics through a combined study program.
- **Cost:** \$895.00 per year. Books are a requirement and must be purchased separately.
- **Payment Plan:** After the initial \$100 deposit, payments can be made throughout the year in 7 monthly installments.
- **Discounts:** A 10% sibling discount is available for each child after the first on any of our Simply programs, full registrations only.

Simply S.T.E.A.M.



Fall: Sept. 12–Dec. 12, 2024
(No class on Nov. 28 due to Thanksgiving)

Spring: Jan. 09–Apr. 24, 2025
(No class on Apr. 10 due to Spring Break)

S

Science: Astronomy

Supplies Needed:
Exploring the World of Astronomy (John Hudson Tiner)

One Composition Journal



Astronomy (Pt. 1)

What is Astronomy?, Exploring the Moon, Mars, Terrestrial Planets, Jupiter, Saturn, Jovian Planets, Plutoids and Denizen Space

Astronomy (Pt. 2)

Telescopes, Breakthroughs in Astronomy, Deep Sky Wonders, Stars, Extra Solar Planets, Star Lighted Nights

T

Technology: Telescopes

Supplies Needed:
50 Things to See with a Telescope—A Young Stargazer's Guide (John A. Read)

One 50 Count Package of Clear Sleeves for Binders



Telescopes (Pt. 1)

Star Gazers and Early Astronomers, Early Telescopes, Optical Telescopes, Choosing a Telescope, Parts of a Telescope, Getting Focused, Seasonal Skies

Telescopes (Pt. 2)

Finding the Planets, Deep Sky Objects, Constellations, Large Telescopes, Telescopes in Space, Radio Telescopes, Infrared Telescopes, X-Ray Telescopes

E

Engineering: Aerospace Engineering

Supplies Needed:
One 2" Heavy Duty White Binder with Durable Clear Covers



Aerospace Engineering (Pt. 1)

What is Aerospace Engineering? Aeronautical Engineering, Early Pioneers of Flight, Winged Limbs, Ornithopter, Gliders, Balloons, Dirigibles, Planes, Jets

Aerospace Engineering (Pt. 2)

Astronautical Engineering, Early History of Space Flight, Rockets, Orbits, Satellites, Mercury, Gemini, Apollo, Space Stations

A

Art: Astro Art

Supplies Needed:
One Small Pack of Watercolor Paper

One Medium Pack of White Cardstock



Astro Art (Pt. 1)

Watercolor, Acrylic, Oil Pastels, Chalks, Pointillism, Collages

Astro Art (Pt. 2)

Metal Art, Texturing, Pours, Weaving, Spray Painting, Hydro Dipping

M

Mathematics: Astro Math

Supplies Needed:
One Calculator



Astro Math (Pt. 1)

Intro to Pre-Algebra, Basic Algorithms, Addition, Subtraction, Multiplication, Division, Exponents, Order of Operations, Fractions

Astro Math (Pt. 2)

Decimals, Percents, Expressions, Equations, Solving Equations, Ratio Problems, Rate Problems, Inequalities