

Grades K-2 Science S.T.E.A.M. ahead Units

(Thursdays, 1-3:30 pm)



Unit	Dates	Topic and Activity
Session 1 Matter Matters!	Week 1	What's up with Matter? Find out what things are made of and find a new way to see the world around you.
	Week 2	Which of these things belongs together? Find out how scientists classify rocks, plants and animals.
	Week 3	Got water? Where does it come from and where does it go? Learn about the water cycle and why you drink the same water the dinosaurs did!
Session 2 Seasons in the Sun	Week 1	Keeping the earth warm: learn about how the sun keeps the earth warm and causes wind, weather, and more.
	Week 2	Why do we have seasons? Find out how the Earth and Mars have seasons.
	Week 3	Alaska can be cold. How do we stay warm? Find out how to use that energy from the sun even in winter!
Session 3 The Skies Above	Week 1	How is the sun different from the moon? Is our sun like other stars? Let's observe and find out.
	Week 2	Do the stars change and move? Why does the moon look different each night? Learn how to observe the sky and how it changes from day to day and season to season.
	Week 3	How did our ancestors view the stars? Learn stories about constellations, the sun, earth and moon and how stories can help us remember and explain the world around us. You can even write your own story!
Session 4 Tools of Observation	Week 1	The moon and stars are far away, but with a telescope we can see them close-up. Learn about how telescopes work and what we can learn about the universe around us.
	Week 2	We looked far away. Now let's look closely at our world. What can you see with a magnifying glass?
	Week 3	Students will bring in their moon observation charts and let's see how the moon changed over time. Be a scientist by watching the world around you.
Session 5 Moon, Mars and Beyond	Week 1	Coordinates: Where are we?
	Week 2	Decoding Messages and Loading the Cargo
	Week 3	e-mission: Moon, Mars, and Beyond!