

Earth & Space Product Matrix

The Earth & Space Product Matrix shows the alignment of NISE Network resources to the three principles of the Earth & Space Learning Framework as well as the six key science content ideas of the Earth & Space Content Framework, and includes the year each was added to

the Explore Science: Earth & Space Toolkits. The hands-on activities are listed in order of toolkit subcategories: Exploring Earth, Exploring Science Practices, Exploring the Solar System, and Exploring the Universe, with the *Sun, Earth, Universe* exhibition listed at the bottom.

	PRINCIPLES			TOOLKIT YEAR				CONTENT AREA					
	PHENOMENA	PROCESS	PARTICIPATE	2017	2018	2019	2020	SUN	EARTH	PLANETS	UNIVERSE	SOCIETY	FORCES + ENERGY
EXPLORING EARTH													
Exploring Earth: Bear's Shadow*	X			X			X	X	X				
Exploring Earth: Investigating Clouds	X	X	X	X			X		X			X	
Exploring Earth: Land Cover	X	X	X			X			X			X	X
Exploring Earth: Paper Mountains	X	X	X		X				X			X	X
Exploring Earth: Rising Sea		X	X	X		X			X			X	
Exploring Earth: Temperature Mapping	X	X				X		X	X			X	X
EXPLORING SCIENCE PRACTICES													
Exploring Science Practices: Early Explorations*	X	X					X		X				
Exploring Science Practices: Measure Up*	X	X					X		X				
EXPLORING THE SOLAR SYSTEM													
Exploring the Solar System: Asteroid Mining	X	X	X				X			X		X	
Exploring the Solar System: Big Sun, Small Moon	X	X		X				X	X				
Exploring the Solar System: Craters	X	X			X		X		X	X			X
Exploring the Solar System: Design, Build, Test		X	X				X					X	X
Exploring the Solar System: Hide and Seek Moon*	X	X	X		X	X			X			X	
Exploring the Solar System: Magnetic Fields	X	X			X			X	X	X			X
Exploring the Solar System: Mars Rovers		X	X		X					X		X	
Exploring the Solar System: Mission to Space		X	X				X	X	X	X	X	X	
Exploring the Solar System: Moonquakes	X	X					X		X	X			X
Exploring the Solar System: Observe the Moon	X	X	X				X	X	X				
Exploring the Solar System: Observe the Sun	X	X	X			X		X	X				X
Exploring the Solar System: Pocket Solar System		X		X		X				X		X	
Exploring the Solar System: Solar Eclipse	X	X		X				X	X				
Exploring the Solar System: Stomp Rockets		X	X		X	X						X	X
Exploring the Solar System: Story Blocks*		X	X				X					X	
EXPLORING THE UNIVERSE													
Exploring the Universe: Exoplanet Transits	X	X			X					X	X	X	X
Exploring the Universe: Expanding Universe	X	X				X					X		X
Exploring the Universe: Filtered Light	X	X			X	X					X		X
Exploring the Universe: Ice Orbs	X	X		X						X			
Exploring the Universe: Imagining Life		X	X	X					X	X		X	
Exploring the Universe: Nebula Spin Art	X	X					X				X		X
Exploring the Universe: Objects in Motion	X	X			X				X	X	X		X
Exploring the Universe: Orbiting Objects	X	X		X			X	X		X	X		X
Exploring the Universe: Pack a Space Telescope		X			X						X	X	X
Exploring the Universe: Space Guess Quest Game		X				X	X			X	X		
Exploring the Universe: Star Formation	X	X					X				X		X
Exploring the Universe: Static Electricity	X	X				X			X	X			X
<i>Sun, Earth, Universe</i> Exhibition	X	X	X					X	X	X	X	X	X

* These activities were specially designed for young learners.