MONTHLY PROGRAM PAIRINGS

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PLANETARIUM PROGRAMS

MAGIC TREEHOUSE: SPACE MISSION  Months offered: NOVEMBER, DECEMBER, MARCH & APRIL
Travel with brother-sister duo, Jack and Annie, in their Magic Tree House as they discover a note that asks them to answer six questions about space. With the help of an astronomer, the Internet, an astronaut, books and the writer of the mysterious note, we go on a wonderful journey of adventure and learning. This beautifully produced show is based on the beloved Magic Treehouse book series. Standards: S4E1.b, S4E1.c, S4E1.d

TWO SMALL PIECES OF GLASS  Months offered: SEPTEMBER & OCTOBER
Join two young people at a star party as they observe planets and stars in a telescope. Learn how the telescope has changed from a modified spyglass using two small pieces of glass to the huge, space and land-based devices of today. Standards: S4E1.a

DISCOVERY PROGRAMS

DO YOU SEE WHAT I SEE?  Months offered: SEPTEMBER & OCTOBER
Students will explore ways that light can be reflected, refracted, diffracted and absorbed by various objects. They will also investigate how the eye converts light into images. Standards: S4P1.a, S4P1.b, S4P1.c

KINESTHETIC ASTRONOMY  Months offered: NOVEMBER & DECEMBER
Students get a feel for the scale of the universe as they sort celestial objects; then they model the Earth, Moon and Sun. They will discover why stars appear to move across the sky each day/night, why we see different stars during the year and how Earth’s tilt causes seasons. Standards: S4E1.a, S4E1.b, S4E1.c

LUNAR DESIGN CHALLENGE  Months offered: NOVEMBER & DECEMBER
Students will design, build, and test a Lunar Buggy to transport astronauts and cargo on the Moon. They will collect and analyze data, take measurements, and refine their models using the Engineering Design Process. Standards: Mathematics MGSE4.MD.1, MGSE4.MD.2
Fourth Grade
GA Programs Continued…

DISCOVERY PROGRAMS

**OWLS: WISE GUISE**  Months offered: MARCH & APRIL
Silent flight, a curved beak and sharp talons are some of the owl’s guise that enables these birds to be successful predators. We will explore four owls native to our area, interact with live owls and dissect owl pellets. Standards: S4L1.a, S4L1.b

**SOUND-SATIONAL**  Months offered: SEPTEMBER & OCTOBER
Students will learn about sound waves and how loudness and pitch may be manipulated. They will use teamwork to construct their own musical instruments and play a song. Standards: S4P2.a

**WALK ACROSS THE SOLAR SYSTEM**  Months offered: MARCH & APRIL
Students learn about the planets and the size of the solar system as they create a model of the solar system using a scale of 1 inch = 100,00 miles. This requires walking outside for about a mile, so please wear appropriate shoes! Standards: S4E1.d