

## S.T.A.R. TOUR

Our STAR-LAB planetarium takes students on an exploration of the night sky — during the day! Activities match grade level standards. The tour is 90 minutes including teacher-supervised museum exploration time. Program options include bird migration, weather, constellations, star fields, and Native American legends. (Also available as a “Museum-to-Go” program.)

### 3rd GRADE

#### Standards:

#### Science

#### Language Arts

#### Earth and Space Science

#### Standard 6. THE UNIVERSE:

**Conceptual Strand 6:** The cosmos is vast and explored well enough to know its basic structure and operational principles.

**GLE 0307.6.1.** Identify and compare the major components of the solar system.

#### Teacher Questions, Pre-Tour

**Q:** Why is the system we live in called ‘the solar system’? List the planets that make up our system, describing their size, orbit time, etc.

#### Teacher Questions, Post-Tour

**Q:** After our STAR-LAB program, what did you learn about the planets? Which one might be most like Earth? Least like Earth? Over time, how have people tried to explain the movements of the planets and the stars? How have people used stars in their exploration of our own planet?

#### Language Arts

#### Recommended Reading:

#### Nonfiction:

*A Child's Introduction to the Night Sky: The Story of the Stars, Planets, and Constellations--and How You Can Find Them in the Sky* by Michael Driscoll (2004).

*Don't Know Much About the Solar System* by Kenneth C. Davis (2004). (Ages 6 - 9 and older.)

*Find the Constellations* by H.A. Rey (2008). HMH Books, 2<sup>nd</sup> edition.

*Flight of the Golden Plover: The Amazing Migration Between Hawaii and Alaska* by Debbie Miller. (2011). (Grade 3 +).

*Janice VanCleave's Constellations for Every Kid: Easy Activities that Make Learning Science Fun* by Janice VanCleave. (1997).

*On the Wing: American Birds in Migration* by Carol Lerner (2001). (Gr 3-6.)

*The Stars* by H.A. Rey (2008, 1952). HMH Books, 2<sup>nd</sup> edition. (Upper elementary, classroom reference).

Fiction:

*All the Stars in the Sky: Native Stories from the Heavens* by C.J. Taylor (2006). (Ages 8 and up.)

*Native American Tales and Legends* by Allan Macfarlan (2001). (Age 9 and up).

*They Dance in the Sky: Native American Star Myths* by Ray A. Williamson (2007). (Ages 10-14)