THE HAYDEN PLANETARIUM

With Neil deGrasse Tyson

Grades 3 through 5

First Name: _____ Last Name: _____

Date: _____ Class: _____

HOW DOES THE HAYDEN PLANETARIUM HELP US LEARN ABOUT SPACE?

A five day inquiry into a public science institution, curiosity, scientific models, and sharing knowledge.

NJSLS Social Studies practices: Developing Questions and Inquiries; Gathering and Evaluating Sources. 6.1.5.CivicsCM.1: use sources to describe contributions to community well-being.

NJSLS ELA anchor: RI.CR.4.1, details and examples as evidence. CCLS/CCSS: RI.3.1, RI.4.1, RI.5.1; W.3.2, W.4.2, W.5.2. Grade 4 anchors the band; adjust independence by grade.

Amistad connection: Learn about a Black scientist’s contribution to public science education. Sources are adapted into original instructional readings. No invented quotations are used.

Day 1 | A place to explore

Objective: Describe how a planetarium helps people learn.

Do Now

What do you wonder about space?

Read, listen, and discuss

The Hayden Planetarium is part of the American Museum of Natural History in New York City. Its original theater opened in 1935. A planetarium uses a dome and projection technology to help people explore ideas about space. Visitors remain on Earth while a presentation can show objects and movements that are difficult to observe directly. [B, E]

A dome presentation is a representation. It may show a star field or a journey through a model of space. Asking what the model shows is part of learning. A planetarium does not place actual stars inside a room, and a projected journey does not transport its audience into space.

Quick Write

Tell one thing visitors can learn at Hayden.
