

# Hickory Nature Hall and Planetarium Lesson Overview 19-20

Pre K	NH – Introduction to Nature Hall and Trails P visit – Larry the Cat in Space (what is in the sky, constellations, space, orbits)
K	NH – Intro to animal classification, sorting and classifying objects found on hike P visit 1 – The Friendly Stars (the sun is a star, different sizes and colors of stars, constellations, Bear dance) P visit 2 – Trip through Space (what is in the Solar System)
1st	NH – Observing Wildlife, Scavenger Hunt and Animal Classification P visit 1 – Day and Night (rotate, revolve, phases, directions) P visit 2 – Dawn of the Space Age (history of space flight, design a rocket)
2nd	NH – Decomposers and intro to soil P visit 1 – Cosmic Colors (why are objects in the Solar System different colors) P visit 2 – Moons of Mystery (the moon, moon phases, and moons of other planets)
3rd	NH – Adaptations and Weather P visit 1 – Reason for the Seasons (rotate, revolve, tilt, latitude) P visit 2 – Weather in the Solar System (atmosphere, water, convection, wind)
4th	NH – Landforms P visit 1 – Solar Quest (the Sun, electromagnetic radiation, and waves) P visit 2 – Follow the Drinking Gourd (latitude, slavery, astronomy, directions)
5th	NH – Water testing, Riparian zones, Wetlands P visit 1 – How big is the Solar System? (light years, motion, orbits, space travel) P visit 2 – Just Imagine (asteroids, black holes)

6th	NH visit 1 – Soil NH visit 2 – TBD P visit 1 – Mt. Building (faults, types of mountains, plate tectonics) P visit 2 – Geology of Mars (space travel, missions to Mars, comparing Mars and Earth geology)
7th	NH visit 1 – Vascular and non-vascular plants NH visit 2 – Water Quality P visit 1 – Invasive Species (studying invasive species from space, invasive species in MD, chestnut blight, are we invasive if we land on other objects in the solar system) P visit 2 – Extrasolar planets (the search for water, the search for life)
8th	NH visit 1 – Human Impacts on the Environment (oil spill) NH visit 2 – Alternative Energy and the Environment P visit 1 – Magnetism (poles, Earth’s magnetic field, magnetic fields of other planets) P visit 2 – Heliophysics (spacecraft studying the sun, energy, radiation, waves)
FoPS	NH – Forces of Motion on Earth P – Forces of Motion in Space
Earth	NH - TBD P – Origins of the Universe (Big Bang Theory, light, dark matter, dark energy)
Enviro	NH – Site investigation P – Is Earth’s Ice Thawing?
Bio	NH – Scavenger Hunt P – The Oceans in Bloom
Chem/Com	NH – Acids and Bases, PH scale, Sinkholes P – Spectroscopy (electromagnetic radiation, identifying elements)

