Welcome! Our Educational Modules are designed to address various concepts outlined in the Next Generation Science Standards (NGSS) and beyond. These modules can be incorporated into any live and interactive planetarium presentation at the Brown Planetarium.

Request up to 2 modules when you fill out the online request form!

Modules were designed using the FERA Learning Cycle developed by the National Science Resources Center. It consists of four phases: 1. Focus; 2. Explore; 3. Reflect; and 4. Apply. This approach facilitates student-centered learning. With this method, modules are specifically designed to include inquiry-based activities.

Next Generation Science Standards (NGSS) Covered

• 1-ESS1 (1-2) Earth’s Place in the Universe ............ Modules 1.1 – 1.2
  o Module 1.1 – Daily Patterns
  o Module 2.2 – Annual Change of Daylight
• 2-ESS2 (1-3) Earth’s Systems ........................................ Module 1.3 Earth’s Systems
• 4-ESS2 (1-2) Earth’s Systems ........................................ Module 1.3 Earth’s Systems
• 4-PS3-2 Energy .......................................................... Module 1.4 Light, Energy, and Color
• 4-ESS3-1 Earth and Human Activity ......................... Module 1.4 Light, Energy, and Color
• 5-ESS1 (1-2) Earth’s Place in the Universe ............ Modules 1.5 – 1.7
  o Module 1.5 – Brightness of Sun vs. Other Stars
  o Module 1.6 – Shadows vs. Time
  o Module 1.7 – Seasonal Stars