



FALL 2022 FSC PROGRAM DESCRIPTION

1620 – Impact Earth

Grade Level: 6th grade

Instructor: Lancaster

Location: Fernbank Science Center

Type: Planetarium lesson

Capacity: 300

Length: 45 Minutes

Program Description

Impact Earth teaches about meteors, meteorites, asteroids, and comets. The film shows dramatically the effects of the Chixulub and Tungusta events, plus the Pallasite impact that resulted in the Brenham meteorite fall. Impact Earth describes ways that asteroid hunters seek new objects in the solar system, and how ground penetrating radar is used to find meteorites that have survived to the Earth's surface. Narrated by astronaut Tom Jones, the show also discusses ways that humans might try to deflect an asteroid or comet that is on a collision course with Earth

Georgia Performance Standards

S6E1. Obtain, evaluate, and communicate information about current scientific views of the universe and how those views evolved

e. Ask questions to compare and contrast the characteristics, composition, and location of comets, asteroids, and meteoroids.

S6E5. Obtain, evaluate, and communicate information to show how Earth's surface is formed.

e. Develop a model to demonstrate how natural processes (weathering, erosion, and deposition) and human activity change rocks and the surface of the Earth.

Key Vocabulary

Comet

Asteroid

Meteor

Meteorite

Meteoroid

Pre-Visit Activities

Have students understand the difference between the key vocabulary terms

<https://www.nisenet.org/asteroids>

Post-Visit Activity

Students can find their own space debris with a magnet! <https://www.popsci.com/hunt-micrometeorit>