



Spring 2023 FSC PROGRAM DESCRIPTION

1505- Force Five

Grade Level: 5th and 6th Grades

Instructor: Lancaster

Location: Fernbank Science Center*

Type: Planetarium lesson

Capacity: 250

Length: 45 Minutes

Program Description

Come explore, and experience, the most powerful storms on Earth: a hurricane at sea, a tornado's funnel cloud, and a huge solar storm. Learn how these storms develop over time, and how they can turn into cataclysmic events

Georgia Performance Standards

S5E1. Obtain, evaluate, and communicate information to identify surface features on the Earth caused by constructive and/or destructive processes

.a. Construct an argument supported by scientific evidence to identify surface features (examples could include deltas, sand dunes, mountains, volcanoes) as being caused by constructive and/or destructive processes (examples could include deposition, weathering, erosion, and impact of organisms).

S6E4. Obtain, evaluate, and communicate information about how the sun, land, and water affect climate and weather.

d. Construct an explanation of the relationship of air pressure, weather fronts, and air masses and meteorological events such as tornadoes and thunderstorms.

Key Vocabulary

hurricane	tornado	vortex	solar flare
atmosphere	climate	weather	meteorology

Pre-Visit Activities

This site offers a questionnaire for students to take before their visit:

https://www.eplanetarium.com/shows/ddome/rice/force_five/

An introduction to tornadoes:

<https://kids.nationalgeographic.com/science/article/tornado#:~:text=Also%20known%20as%20twisters%2C%20tornadoes,faster%20than%20a%20race%20car!>

NASA's hurricane resource page, with information about the latest storms: <https://www.nhc.noaa.gov/>

Post-Visit Activity

NASA's SciJinks site hosts games and puzzles to practice, and assess learning: <https://scijinks.gov/>