



SfS Away from the Classroom!

ES11: Stars (Recommended for Grades 6-8)

Please use the following resources to learn about Stars.

Watch this Video: <https://www.youtube.com/watch?v=BCXq9QuCsK0>

Answer these questions:

- What are the two forces that increase to create a star?
- What are two characteristics of blue stars?
- Why do small, cold stars exist for longer than large, hot stars?

Activities: Follow these directions to learn more about the stars!

1. Download this free NOVA app. You are given a star which will need to grow by colliding with other stars and absorbing their energy. The goal is for your star to become a Black Hole.

NOVA Black Hole Apocalypse:

<https://apps.apple.com/us/app/nova-black-hole-apocalypse/id1114574985>

2. Download this free app called Star Walk, you can use it to explore the night sky with a cellphone:

<https://apps.apple.com/us/app/star-walk-explore-the-sky/id295430577>

3. This is a website that shows you the stars in the sky at any time of the day or night. It also allows you to change the date, time and location.

<https://apps.apple.com/us/app/star-walk-explore-the-sky/id295430577>

Make two Claims (observations) and explain the Evidence, and Reasoning of those claims, based on the activity you choose.

1. **Claim:** _____

● **Evidence:**

● **Reasoning:**

2. **Claim:** _____

● **Evidence:**

● **Reasoning:**

