



## **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:**

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.**

- **Claim:** \_\_\_\_\_

- **Evidence:**

- **Reasoning:**

- **Claim:** \_\_\_\_\_

- **Evidence:**

- **Reasoning:**

