



Welcome to the Cosmic Fairytale!

Evolution of Stars. Activity 1

Classroom Activity

Overview

Age Range:

14 – 17 years

Prep. Time:

Zero

Activity Time:

15 min

Cost per activity:

Printing of student's worksheets

Outline

By using a computer presentation students are introduced to different types of stars that have different colours and different size.

Pupils will Learn:

- That stars are divided in different types with different colours and different size.

Activity Plan:

Description	Time	Notes
Introduction to the subject	3 min	Dialogue with the students
Activity 1	10 min	<i>Powerpoint presentation Variety of Stars</i>
Assessment	2 min	Students answer the question

The online observatory collaboration consists of the following partners:

Baldone Observatory, Brorfelde Observatory, Cardiff University, Harestua Solar Observatory, Helsinki Observatory

Introduction to the subject:

The purpose of this activity is to let students understand that stars are not just white dots of different brightness in the sky. They are celestial bodies of different size and colour.

Activity 1:

Students watch the *Powerpoint* presentation *Variety of Stars*, discuss the slides with the teacher and fill the worksheet.

Assessment:

Question for students. Name as much star types as you can!

Expected answer: Blue, white, yellow, red supergiants; yellow, orange, red giants; white, yellow, orange, red dwarfs.

Further Activities:

You may continue with the *Evolution of Stars. Activity 2*.

Background Material/Knowledge:

Wikipedia: [https://en.wikipedia.org/wiki/Orion_\(constellation\)](https://en.wikipedia.org/wiki/Orion_(constellation))