



The Life Cycle of Stars

Stellar Evolution

Classroom Activity

Material List:

- Paper
- Coloured pens/paper
- Ruler
- Activity 2 timeline information cards

Outline

When you look at the night sky you are probably going to see lots of stars. They might seem the same from Earth, but they can be very different.

In this lesson we will see how stars change across the course of their lifespan and what effect mass has on that.

Just like people, stars go through stages from birth, through life and finally death. You will compare the timeline of people with that of low and high mass stars.

Procedure:



The online observatory collaboration consists of the following partners: Baldone Observatory, Brorfelde Observatory, Cardiff University, Harestua Solar Observatory, Helsinki Observatory







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Compare all three timelines.

Assessment:

- How many stages are there?
- Where do they spend the majority of their lifetime?
- Are there common factors?
- How would a higher mass stars timeline look?
- How would a lower mass stars timeline look?