

# ASTR 311 Tutorial 6: Stars

Stars are the building blocks of the Universe – there are billions of stars in our Galaxy and billions of galaxies in the Universe. To understand how the Universe works, we need to understand how stars work.



## Part 1: Concept Maps

It's easy to get overwhelmed by the number of concepts, facts and relationships about stars. Remembering those concepts during an exam is hard because

- our memory decays
- the concepts interfere with each other
- there are no cues for recalling the right concepts at the right time

A **concept map** is a way to organize the content, reveal relationships and patterns and make the content easier to recall later. A concept map usually contains nodes or bubbles containing things (nouns) that are linked together by lines or arrows that are labelled with actions (verbs) showing the relationships between the nodes.

With your group, create a simple concept map about the Vancouver 2010 Olympics. So we can easily share the maps created by different groups, please use the overhead transparency:

1. Make a list of the **5 things** you all remember most about the Olympics.
2. Put them on the overhead and join them together with lines telling the actions or relationships that connect them. Is there a way to show which events or actions are more important? Maybe by the size of the bubble or the type of line you draw?

## Part 2: Stars

In this Part, your group will create a concept map about stars. You have about 25 minutes to do this, so there's time to think and plan before creating your map.

Take 10 minutes to plan your map. First make a list of the 5–10 concepts about stars your group thinks are the most important. Then make some rough sketches on scrap paper of what the map could look like. Add more concepts and links to your map as you think of them. When you have a pretty good idea of what your map could look like, switch to the large sheet of paper.

You'll be handing in your concept map, so please put everyone's name and student number on the map.