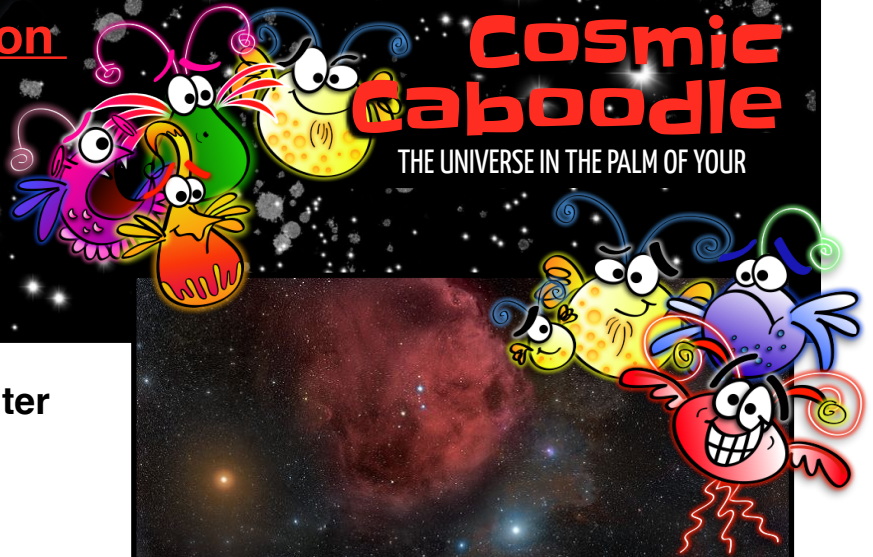


## Full product specification

# Orion

## The Ancient Hunter



**Product Name** The Ancient Hunter

**Product Code** Cst-640

### Overview

Orion is named after the Greek mythological hunter. There are a few versions to Orion's story, but one of the most common ones has Orion, as a mythological being, announcing to everyone that he was the greatest hunter in the whole entire world. Hera, the wife of Zeus, did not take favourably to this and had a scorpion kill him and Zeus then placed Orion up into the sky as consolation.

Orion the stars, have a different story to tell. The brightest part is the belt and is made up of three main stars - Alnilam, Mintaka and Alnitak. Betelgeuse (a very cool name for a star) is the second biggest star and makes the right shoulder of the hunter. Rigel is the left foot and is the brightest star within the constellation.

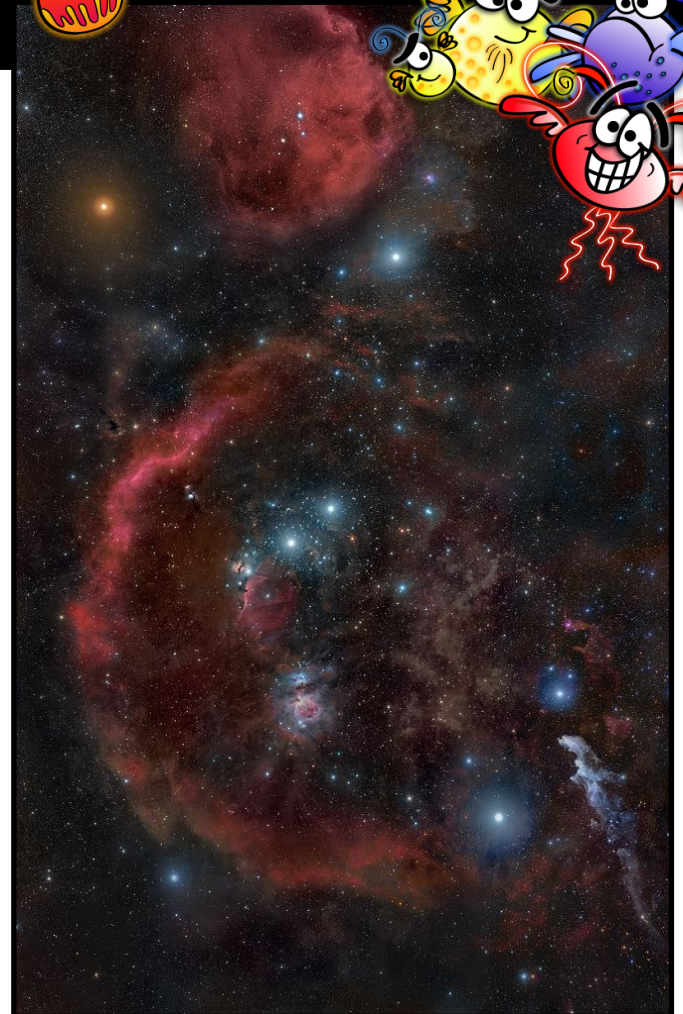


Photo taken by Rogelio Bernal Andreo in October 2010 of the Orion constellation showing the surrounding nebulas of the Orion Molecular

### Location

It is located in the celestial equator, making it one of the most visible constellations in the night sky and can be seen everywhere on Earth (some constellations can only be seen in the northern hemisphere or southern)

### Cool facts about Betelgeuse

Of the stars within Orion, Betelgeuse is probably the most famous because it is a red supergiant star. Here are some of its amazing features:

- 640 light years from Earth
- Its radius is 1,000 times larger than our Sun
- Betelgeuse is old - about 7,300,000 years
- Supernova - being a red supergiant star, means that it is coming towards the end of its life. when this happens, it is so large that it will explode as what scientists refer to as a supernova. It will then go into its final stage as a neutron star and only have a radius of approximately 10km. Scientists estimate that this will happen in the next million years.





# Orion

## The Ancient Hunter



**Cosmic Caboodle**  
THE UNIVERSE IN THE PALM OF YOUR

Orion the Hunter can now be studied in great detail anytime, anywhere, day or night. This Orion telescope will allow you to learn more about this famous star constellation.

### DIFFICULTY FACTOR



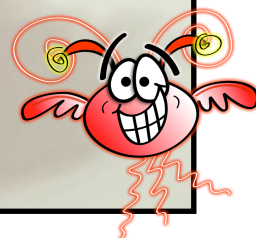
- **Two** out of **three** cheeky aliens.
- Requires cutting, gluing and use of a needle (adult help might be required)
- It takes about **15 minutes** to make

### WHAT YOU WILL NEED

- Paper and colour printer
- Toilet roll
- Rubber band
- Scissors
- Stick glue
- Needle (get an adult to help)

### INSTRUCTIONS

1. Print the next page.
2. Cut out the red and black circles and rectangle.
3. Cut out tassels on the red circle, cutting from the outside diameter and stopping when you hit the white inner circle. As you go around the circle, you will make a frilly fringe.
4. Turn the red circle upside down (so the red is against the table top) and glue the black circle in the middle.
5. Now very carefully pin little holes through the star dots on the black circle.
6. Stick the rectangle onto the toilet roll, by rolling it around the tube.
7. Place the circle (red side facing outwards) on top of the tube and bend over

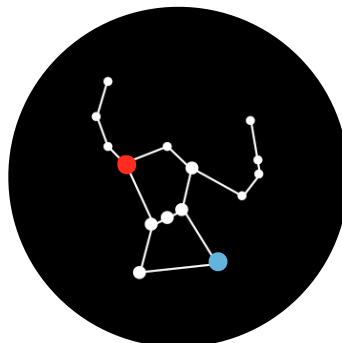
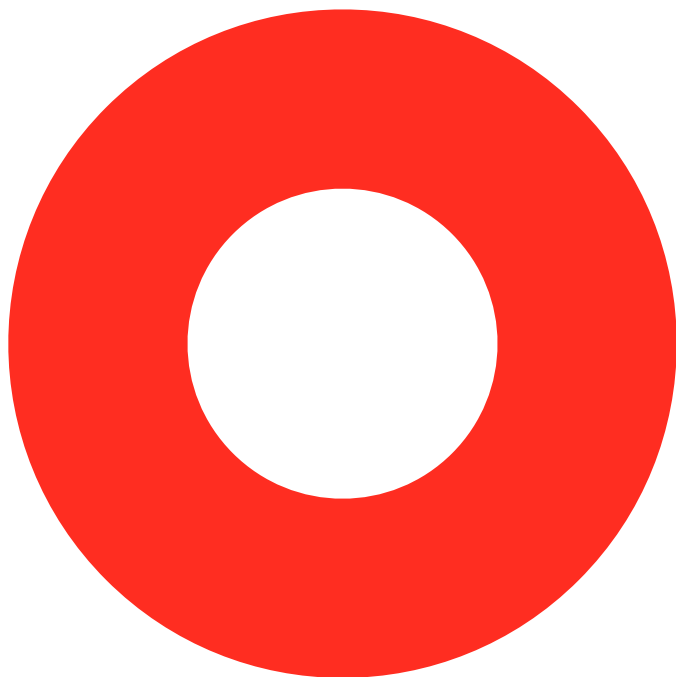


# Orion

The Ancient Hunter



**Cosmic Caboodle**  
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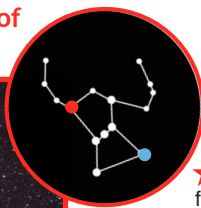
Print and cut out these three shapes.

## Constellation of Orion

**Betelgeuse**



**Rigel**



### The Fact File

- ★ Orion is named after a Greek mythological **hunter**
- ★ Orion can be seen from anywhere in the world because it is located on the **celestial equator**
- ★ Its brightest stars are **Rigel** (blue-white) & **Betelgeuse** (red supergiant)
- ★ The three stars in the middle of the constellation form a unique astronomical pattern called **Orion's Belt**



I made it myself at [www.cosmiccaboodle.com](http://www.cosmiccaboodle.com)