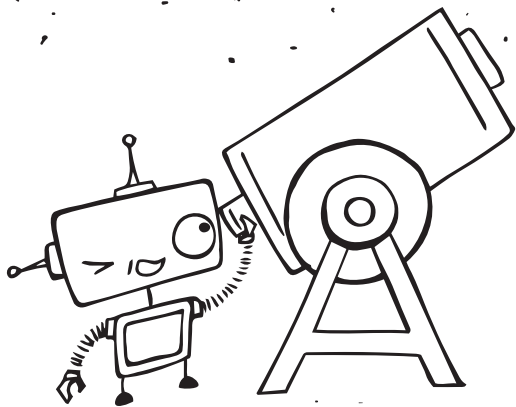


# Universe in the Classroom



Robotic Telescope  
Activity Book

• The **UNIVERSE** is everything that exists, all planets, stars, galaxies and every other object on Earth and in space.

• A **GALAXY** is a gigantic collection of stars, along with cosmic gas, dust and other stuff. The galaxy we live in is called the Milky Way.

• A **STAR CLUSTER** is a huge group of stars bound together in space. A star cluster can contain a few hundred stars or many millions.

• A **NEBULA** is a cloud of gas and dust in space. Some are the remains of dead stars and others are where stars are born.

• A **TELESCOPE** is an instrument used to see objects that are very far away. Telescopes are often used to look at distant planets, stars and galaxies.

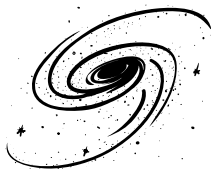
• A **ROBOT** is a machine controlled by a computer. Robots can be taught to do many different things, like clean a carpet, control a telescope or even build a car!

## HOW BIG?

How big are these famous cosmic objects?



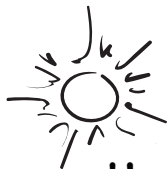
**The Universe**  
is bigger than...



**a Galaxy**  
...is bigger than...



**a Star Cluster**  
...is bigger than...



**the Sun**  
...is bigger than...



**Jupiter**  
...is bigger than...



**the Moon**

This booklet is brought to you by  
Universe in the Classroom



### Want to know more?

- Our website is:

<http://blogs.cardiff.ac.uk/physicsoutreach/universe-in-the-classroom>

- This booklet was inspired by UNawe's Cosmos in your pocket

[www.eu-unawe.org](http://www.eu-unawe.org)



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