

# **Mr Cripps' Guide to the Universe**

Here are some of the Planets that have been observed by the Hubble Space Telescope. Mr Cripps is pointing at Venus. It's approximately the same size as the Earth.

We're going to shrink it down to fit into the next picture.



This is a picture of part of the Eagle Nebula. It's approximately 1 light year wide and is made up of gas and dust that will merge to form new planets.

The area that Mr Cripps is pointing to is the size of our solar system. We're going to shrink it down to fit into the next picture.



This is a galaxy that is similar to ours, which we call the Milky Way.

Mr Cripps is pointing to the approximate position of where the Sun is in our galaxy. The Sun goes around once every 200 million years.

We're going to shrink it down to fit into the next picture.



This is the Hubble Deep Field. What you can see here covers 1/60millionth of the sky. You're actually looking back in time. The light from some of these galaxies took up to 12 billion years to reach us so we're seeing them as they were a very long time ago!

