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## **Expansion of the Universe - Year 10 CLE**

Posted by [sat](#) on Fri, 2015-07-03 13:57

This online resource looks at cosmology.

The resource is a Connected Learning Experience (CLE) to help teachers teach the concepts concerned with the Big Bang theory to Year 10 students.

### **Description:**

In this investigation, Edwin Hubble's observations will be examined as evidence for the Big Bang theory. In 1929, Hubble discovered that the light from distant galaxies was red shifted and that the further a galaxy is from Earth, the faster it is moving away. This was evidence for the expansion of the universe following the Big Bang.

### **Learning intentions**

Students will be able to:

- explain that red shift applies to objects that are moving away from the Earth
- identify that the amount of red shift relates to the speed of recession
- analyse the validity of claims made in secondary sources
- make accurate measurements
- construct appropriate representations that allow them to interpret and analyse the data
- identify patterns and relationships in data

**The SVG-based diagram that this link takes you to is best viewed with a browser other than Internet Explorer.**

Australian Curriculum v9 Codes: AC9S10U03 (Year 10)

### **Tags:**

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Big Bang Theory

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