

# E5 Moon and Eclipses

Level(s) – yr 3 - 8



## Lesson Focus:

To be introduced to Moon phases and eclipses, as well as discovering about features and formation of the Moon, and becoming aware of the history of and future plans for the exploration of the Moon.

## Specific Learning Outcomes:

*At the end of this lesson the students will be able to...*

- Explain the phases of the Moon and how eclipses occur.
- Familiarise students with the features and formation of the Moon.
- Discuss exploration of the Moon in a historical context, as well as future plans for exploration.

## Suggested Learning Activities: *(identify some potential learning activities)*

- **Moon and Earth (yrs3-8, approx 15 mins)**  
A power point presentation of “The Moon and Earth” is used as a basis for discussion about phases, eclipses, formation, features and exploration.
- **Moon Phases demonstration (yrs3-8, approx 10 min)**  
A practical demonstration of Moon phases using a darkened room, globe, Moon model and lamp. This will include student participation where appropriate.
- **Moon Exploration (yrs3-8, approx 10 mins)**  
several video clips and web-links featuring astronauts on the Moon are used to promote discussion on various exploration concepts.
- **Moon phases game. (yrs3-8, approx 10 mins)**  
Children are challenged to put the phases of the Moon in order from a series of pictures

## Curriculum Links:

*e.g. Science – Astronomical Systems L4-7*

**Science, levels 3,4,5 and 6 – Astronomical Systems**

## Resources & Preparation:

*e.g. people, physical items, specialised rooms/areas*

- Ppt “ The Moon and Earth”
- Globe, Moon model, lamp
- Astronaut video clips on shared server.

## Key Competencies:

Please tick:

Thinking

Using language, symbols and texts

Managing Self

Relating to Others

Participating and Contributing

## Prior knowledge and experiences:

Identify knowledge which students must already have in order to successfully achieve the identified learning outcomes

It would be helpful to have had students observe the Moon over a couple of weeks to notice changes in its appearance.