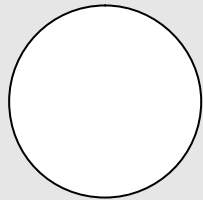


# SETPOINT & BRADFORD ROBOTIC TELESCOPE

## POETRY COMPETITION

### “I See the Moon”

#### Lesson Planning



#### LEARNING OBJECTIVES :-

- Light is essential for seeing things & light sources show up best in the dark / night-time
- Our Sun, like other stars is a source of light
- Light can be reflected by shiny/reflective surfaces including our moon
- Know why the moon appears to change shape over a period of approximately 28 days.
- Use the BRT photographs of the moon to observe textures & shapes etc on the Lunar Surface.
- Use other web pages and reference materials independently to gain more knowledge of the moon.

#### VOCABULARY:

Examples in QCA Science Units: 1D,3F,5E,6F.  
Children's own descriptions of Lunar Surface e.g. textures / shapes as seen from BRT photos.  
Phases of Moon eg. Full, new, waxing, waning, quarter, Gibbous

#### SUCCESS CRITERIA:-

Construct a poem – title “I See the Moon” which demonstrates each child's knowledge and understanding of the Learning Objectives above.  
Entries on A4 paper – Portrait or Landscape and illustrated appropriately in line with the subject matter.  
Entries must have Name and age of child, class and school attached or written on the back.

#### DIFFERENTIATION :-

By age/ ability. Some children will need more support e.g. to acquire telescope images, to use internet &/or other reference materials.  
To learn and use a varying range of relevant vocabulary to construct their poem.  
Use a range of personal skills to record and illustrate their work. e.g. a range of writing, sketching materials etc &/or ICT packages.

**RESOURCES:-** Sources of light and reflective materials. Non-fiction books / CDs / DVDs  
Access to Bradford Robotic Telescope site. [www.telescope.org](http://www.telescope.org)  
Access to internet e.g. sites “[www.earthsky.com/skywatching/tips-moonphases.php](http://www.earthsky.com/skywatching/tips-moonphases.php)” ,  
“enchanter learning.com”[www.crescentmoonwatch.org](http://www.crescentmoonwatch.org) (Moon Watch Einstein Year Project)

#### HEALTH & SAFETY ISSUES

Dangers of looking at sun,(particularly through magnification) very bright lights & reflections. Use of sun-glasses & visors etc.

#### NATIONAL CURRICULUM LINKS:

SCIENCE: 1D Light & Dark, 3F Light & Shadows, 5E Earth, Sun & Moon, 6F How we see things.  
NATIONAL LITERACY STRATEGY – Poetry Units.