

# HBCSD TECHNOLOGY LESSON PLAN

## 1st GRADE (Lesson 1)

**Grade Level - 1**

**Lesson Title - Phases of the Moon**

### Standards

NGSS - ESS1-1 Earth's Place in the Universe: Use observations of the sun, moon, and stars to describe patterns that can be predicted. [Clarification Statement: Examples of patterns could include that the sun and moon appear to rise in one part of the sky, move across the sky, and set; and stars other than our sun are visible at night but not during the day.]

### Technology Competencies

- Use input device (mouse)
- Use scroll/highlight functions
- Create a product using grade level appropriate tools
- Use an Internet browser to access information (such as graphic organizers and maps)

### Purpose

Students will create a digital cycle graphic organizer for phases of the moon on a word document.

### Resources

Science text

<http://resources.woodlands-junior.kent.sch.uk/time/moon/phases.html>

<http://www.wonderville.ca/asset/phases-of-the-moon>

<http://kids.discovery.com/tell-me/space/what-are-moon-phases>

<http://www.kidsastronomy.com/astroskymap/lunar.htm>

### Supplies

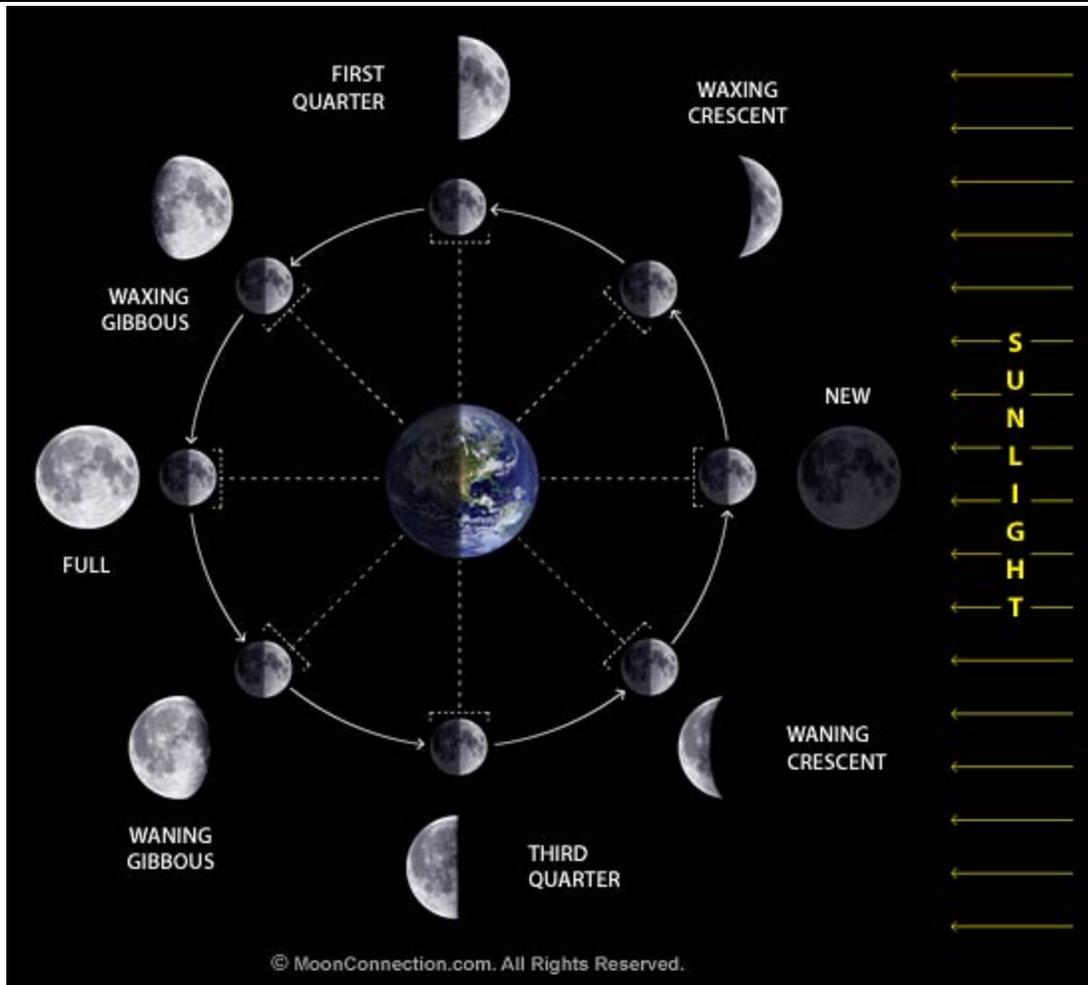
- Computer with access to printer & Internet connection
- Microsoft Word or Publisher

### Direct Instruction

1. Teacher will explain there are different phases for the moon.
2. Teacher will show students the 8 phases of the moon (first quarter, waxing crescent, new moon, waning crescent, third quarter, waning gibbous, full moon, waxing gibbous).
3. Teacher will show students how the phases of the moon are in a cycle.

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### Guided Practice

1. Teacher will have students turn on their computers and click on the digital-imaging technology icon.
2. Teacher will show students how to create a simple cycle graphic organizer.
3. Teacher will add pictures and labels of the moon phases to the bottom of the document for students to use.

### Differentiated Instruction

EL- Students will drag the pictures of the cycle of the moon into the pre-built digital graphic organizer with the assistance of a hard-copy picture.  
GATE-Students will drag the pictures and labels into the pre-built graphic organizer from memory.

### Assessment

Students will use their mouse to drag the pictures to match the word labels in the pre-build graphic organizer.