

## Universe—Lesson Four

### **Comparing the Milky Way Galaxy**

#### **With the Size of the Solar System and the Known Universe**

**Standard IV: Students will understand the scale size, distance between objects, movements, and apparent motion (due to Earth's rotation) of objects in the universe and how cultures have understood, related to and used these objects in the night sky.**

**Objective 1: Compare size and distance of objects within the systems in the universe.**

**Indicator c: Compare the size of the Solar System to the size of the Milky Way Galaxy.**

**Indicator d: Compare the size of the Milky Way Galaxy to the size of the known universe.**

Materials:

1. Utah State Resource Book (TRB3) Shared Reading pages 11.1.3 and 11.1.4

Directions:

- Read the literacy pages 11.1.3 to 11.1.4 and discuss the Milky Way and Universe sizes.
- Watch the three videos. Have the students take notes and discuss in groups what they learned about the Milky Way, the Universe, and to compare them with a Venn Diagram.