

Grade 1 – Daily and Seasonal Changes

The Star Dome show “Daily and Seasonal Changes” is designed to address a number of specific learning outcomes in the Grade 1 science curriculum unit 4 (Daily and Seasonal Changes).

	Specific Learning Outcomes
1-4-01	<p>Recognize that the Sun is a source of light and heat.</p> <ul style="list-style-type: none">• Take a closer look at the sun in the planetarium dome• Show the relative sizes of the planets to the Sun
1-4-03	<p>Recognize that a day is divided into day-time and night-time based on the presence or absence of sunlight.</p> <ul style="list-style-type: none">• See how the Earth spins and that day/night is related to this motion• Show that all planets in our solar system spin and experience day and night
1-4-05	<p>Recognize that shadows are caused by blocked light.</p> <ul style="list-style-type: none">• Examine the phases of the moon
1-4-06	<p>Observe and describe how the Sun appears to change position over the course of a day.</p> <ul style="list-style-type: none">• Watch the daily motion of the Sun across the sky – starting from its rising in the eastern part of the sky to its setting in the western part of the sky
1-4-09	<p>Compare characteristics of the four seasons.</p> <ul style="list-style-type: none">• Contrast the different motions of the Sun across the sky with the different seasons• Show the motion of the Earth in its orbit around the Sun