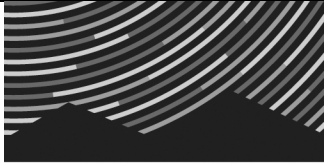


<p align="center"> <b>“Live... from McDonald Observatory!”</b>  <b>Videoconference</b>  <b>“Discover our Solar System: Make a Size Scale Model”</b>  <b>Related TEKS, NSES for grades 6-8</b> </p>	 <p align="center"><b>McDonald Observatory</b></p>
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Grades 6 – 8 TEKS - Science:

- 112.18-19-20. Grade 6-8 (b) - 3 (C) identify advantages and limitations of models such as size, scale, properties, and materials
- 112.20. Grade 8 (b) - 3(B) use models to represent aspects of the natural world such as an atom, a molecule, space, or a geologic feature

Grades 6 – 8 TEKS Mathematics:

- 111.22. Grade 6 (b) – 6(C) describe the relationship between radius, diameter and circumference of a circle
- 111.23. Grade 7 (b) – 13(A) identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics.
- 111.24. Grade 8 (b) – 8(B) connect models of prisms, cylinders, pyramids, spheres, and cones to formulas for volume of these objects

Grades 6 – 8 National Math Standards and Expectations:

- Understand, select, and use units of appropriate size and type to measure angles, perimeter, area, surface area, and volume.
- Understand relationships among the angles, side lengths, perimeters, areas, and volumes of similar objects.
- Recognize and apply geometric ideas and relationships in areas outside the mathematics classroom, such as art, science, and everyday life.

Grades 5 – 8 NSES:

- Content Standard in 5-8 Science and Technology – Students should develop abilities of technological design
- Content Standard in 5-8 Science as Inquiry – Abilities necessary to do scientific inquiry, and Understanding about scientific inquiry.
- Content Standard in 5-8 Earth and Space Science – Earth in the solar system.