

Exploring The Planets

Science Lesson Plan
Grade Level 6

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| Overview | Students who have previous experience working with 280 Slides will explore 1 of the 9 planets using the internet and relevant texts and create a slide presentation to share their research findings. |
| Objective | Given 7 specific questions on a planet, the students will research and present their answers with 100% accuracy in a 280 Slides presentation. |
| Standards | 6.3.1 Compare and contrast the size, composition, and surface features of the planets that comprise the solar system as well as the objects orbiting them. Explain that all planets, except Pluto, move around the sun in a nearly circular orbit. ¹ |
| Materials | <ul style="list-style-type: none">• A copy of <u>Our Solar System</u>, A Reader's Digest Children's Book (Or other comparable text)• A model of the solar system• Computer with internet access |
| Procedure | <ol style="list-style-type: none">1. Using the Model of the solar system, count the planets and discuss their relationship to each other and the sun. Explain that all of the planets (except Pluto) orbit the sun a near circular pattern.2. Read <u>Our Solar System</u> to the class.3. Divide the class into groups of 2-3 and assign each group 1 planet. Have the students use the internet and relevant texts to research the following questions about their planet.<ul style="list-style-type: none">• What is the planet's name?• What is the size of the planet? How does it compare to other planets?• What is the planet's average distance from the sun?• What is the planet's average surface temperature?• What is the composition of the planet?• What are the surface features of the planet?• Are there objects that orbit the planet? If yes, what are they?4. Provide the students with ample time to complete their research and presentation. (3-5 Days)5. Have each group share their 280 Slides presentation with the class. |
| Evaluation | The teacher will review and assess the accuracy of the information presented by the student groups in their 280 Slides presentation. |

¹ <http://www.indianastandardsresources.org/standard.asp?Subject=sci&Grade=6&Standard=3>