



## Space Travel Brochures Lesson Plan

<b>Title of Lesson:</b> Space Travel		<b>Date:</b> August 2007	
<b>Author:</b> Dena Faust			
<b>Subject Area(s):</b> Science		<b>Grade Level(s)/Course:</b> 3-5/Science	
<b>State Standards (Texas: TEKS)</b>	<b>Subject Specific TEKS:</b>		
	<p>3.11 (C) identify the planets in our solar system and their position in relation to the Sun            3.11 (D) describe the characteristics of the Sun.            5.2 (E) construct simple graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate information.            5.3 (C) represent the natural world using models and identify their limitations            5.4 (A) collect and analyze information using tools including calculators, microscopes, cameras, sound recorders, computers, hand lenses, rulers, thermometers, compasses, balances, hot plates, meter sticks, timing devices, magnets, collecting nets, and safety goggles;</p> <p><b>Technology Specific TEKS:</b>            1B save and delete files, uses menu options and commands, and work with more than one software application;            1E access remote equipment on a network such as a printer or other peripherals.            2A use a variety of input devices such as mouse, keyboard, disk drive, modem, voice/sound recorder, scanner, digital video, CD-ROM, or touch screen            2D produce documents at the keyboard, proofread, and correct errors;            2E use language skills including capitalization, punctuation, spelling, word division, and use of numbers and symbols as grade-level appropriate; and            3B model respect of intellectual property by not illegally copying software or another individual's electronic work.            4B select appropriate strategies to navigate and access information on local area networks (LANs) and wide area networks (WANs), including the Internet and intranet, for research and resource sharing            5A acquire information including text, audio, video, and graphics            6C determine the usefulness and appropriateness of digital information            7B use appropriate software to express ideas and solve problems including the use of word processing, graphics, databases, spreadsheets, simulations, and multimedia            7C use a variety of data types including text, graphics, digital audio, and video.            8B use interactive technology environments, such as simulations, electronic science or mathematics laboratories, virtual museum field trips, or on-line interactive lessons, to manipulate information            10A use font attributes, color, white space, and graphics to ensure that products are appropriate for the defined audience;            10B use font attributes, color, white space, and graphics to ensure that products are appropriate for the communication media including multimedia screen displays, Internet documents, and printed materials            11A publish information in a variety of media including, but not limited to, printed copy, monitor display, Internet documents, and video            11B use presentation software to communicate with specific audiences.</p>		
<b>Stated Objective(s)</b>	<p>TSW identify the planets in our solar system and their position in relation to the Sun            TSW research information related to the planets            TSW develop a travel brochure</p>		

Focus	Ask how many students have ever thought about traveling in space. Allow for discussion about possibilities of space travel how to travel, what would you wear, what would you eat, etc.
Input	Tell students that they have been hired by the <i>Outer Space Travel Agency</i> to design a travel brochure for one of the 8 planets in our Solar System. Because they have been hired by such a prestigious agency, they must be careful to follow professional design standards, and create an interesting brochure that will make others want to travel to their chosen planet.
Model	Show the students samples of completed brochures. Discuss various elements of design and other expectations for the brochure. Suggested layout: <ul style="list-style-type: none"> <li>➤ Panel 1 (Left backside panel, or the front panel when the tri-fold brochure is folded) Should include a title and a picture of the Planet</li> <li>➤ Panel 2 (Left inside panel) should promote the planet. Should include a textual introduction that will excite the reader and make others want to travel to this planet.</li> <li>➤ Panel 3 (center inside panel) Student choice, interesting things about the planet, moons, surface features etc.</li> <li>➤ Panel 4 (Right inside panel) should include a list of bulleted facts about the planet</li> <li>➤ Panel 5 (Left backside panel) various pictures of the planet or its features with text captions</li> <li>➤ Panel 6 (back panel) Include name of author and the date</li> </ul>
Guided Practice	Students use computer with Internet connection to conduct research and complete the <b>Travel to Space Information Sheet</b> . Students will then create a sample layout of the brochure for approval by the teacher before begin desktop publishing. Student will use desktop publishing software to create a travel brochure product.
Assessment or Evaluation	Students will be assessed following the attached Rubric
Materials	Computer with Internet access Desktop publishing software Copies of <b>Travel to Space Information Sheet</b> . <b>Copy of Rubric for evaluation</b> <b>Recommended URL's for research:</b> <a href="http://starchild.gsfc.nasa.gov/docs/StarChild/StarChild.html">http://starchild.gsfc.nasa.gov/docs/StarChild/StarChild.html</a> <a href="http://www.seds.org/nineplanets/nineplanets/nineplanets.html">http://www.seds.org/nineplanets/nineplanets/nineplanets.html</a> <a href="http://www.dustbunny.com/afk/planets/">http://www.dustbunny.com/afk/planets/</a> <a href="http://kids.nineplanets.org/">http://kids.nineplanets.org/</a>