C :: MISSION SPACE STATION ALPHA			UNIT	6	
Unit 6 Overview: P	re- Mission Prepara	ation		35	
Lesson 13: Pre-Mission Preparation 1 Lesson 14: Pre-Mission Preparation 2					
Materials Articles Pre-Mission Preparation:	 Storyline The students will The students will during the e-Miss The students will and information t directly relevant to directly relev	have a chance to review the chey studied during Mission to their e-Mission team ass te tables to record raw data te tables to prepare data to projections. te graphs to record data, or e projections. Is are valuable scientific too people prepare for unfores generate tables to convert generate graphs to convert compare the use of tables predict outcomes based up graphs. Sure that all student	raw data they will re specialist training ignment. a. b observe trends, inter ols. een events. raw data into mean t raw data into mean and graphs. bon trends revealed ts have receive	als that is terpret rpret ningful aningful by ed	
Materials Preparation 1. Make final plans for the e-Mission with school tech personnel. Invite VIP's. 2. For Lesson 13: Prior to entering into this phase of the Mission Specialist training, <i>all</i> the students should have been assigned to one of the four e-Mission teams and to a specific data set, ie. <u>Power Team</u> : Proton Production or X-ray Production; <u>Life Support</u> <u>Team</u> : Oxygen or CO2; <u>Radiation Team</u> : TEPC 1 or TEPC 2; <u>Power Team</u> : Battery Reserve or Solar Array.	regardless of their final role on a team, should be assigned to one of the aforementioned sets of data—including the Communications Team members (Please see Looking Ahead.) To begin Lesson 13: Each student should have on his/her desk: • calculator • Pencil with eraser • One set of raw data • One table	3. For Lesson 14: Set up the classroom as suggested by the article, "Classroom Setup." The student will benefit from practicing in an environment similar to that of the e- Mission. Prepare all materials for the "Data Processing Race" which begins the class. Find small, fun prizes or some form of recognition to be awarded to the winner of the "Data Processing Race."	Vocabulary Table Column Row Graph x-axis y-axis Raw data Slope Lable Computation		

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Unit 6 Overview: Pre-Mission Prepara Teaching Approaches During the e-Mission the students will be working "und tasks and definitions endanger the quality of the e-Missi frustrated can affect the mission. The teaching approa Preparation is a step-by-step walk-through for all stude with the receipt of raw data and proceeds to the filling- second lesson, by a "competition" which permits all stu- teams will then assign individual tasks and discuss both scenario. This will sharpen their appreciation for the un- Connections to Other Units If any students have created Mission Patches, it is time patch to designate their mission. Please reward all stu- selected patch(es) to the Challenger Learning Center for Mission. Field test experience has shown that careful the Internet Resources: Recommended search engines: http://vivisimo.com http://www.google.com http://www.kartoo.com	er pressure." Questions that arise over the simp sion for the entire class. Students and teams that ch suggested for the first part of the Pre-Mission ents of the creation of tables and graphs. It beg out of the report forms. This will be followed, in idents to work at top speed through this process in the team's overall assignment and one "What is performing e-Mission simulation. It to display them. The class may wish to select of dents involved in this extra effort. Forward the production our Mission Control booth during yo	olest it are ins of the s. The if" one ur e- ion. Id be eam review e end ne not Team. rough is. r and
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