

## StellarXplorers VI Challenge Quiz Summary

**StellarXplorers Quizzes:** One of the goals of StellarXplorers is for students to learn some of the academic information about space operations. Therefore, teams will be given access to the *Understanding Space* textbook. *Understanding Space* is used for the Introduction to Space course at the Air Force Academy. While *Understanding Space* is a college textbook, we will only be using the sections which are appropriate for high school students.

**A. Understanding Space textbook Access for TDs and Mentors:** One of our sponsors, Coyote Enterprises, Inc. (CEI), has generously agreed to provide one online version of the *Understanding Space* textbook to each Team Director and Mentor, free of charge. The procedures for you to order the textbook are on the Website under the Competition Tab. You will then “own” the textbook and will be able to use it in subsequent years. Therefore, if you received the textbook in past years, you still have access.

This textbook will be the **PRIMARY** access to the textbook for the team. There is no reason the TD cannot give access to the students. Each textbook is tied to an email address (the TD’s) but the textbook password should be different than the TD’s email password. If the textbook password is changed by students, the Change Password procedures will be sent to the TD email address, who can then regain access.

If Team Directors had access to the *Understanding Space* textbook from previous years, you still have access (i.e. you already "own" the textbook). To access, you go to Inkling at <https://www.inkling.com/read/>.

**B. Quiz Summary:** The goal of the StellarXplorers Challenge Quizzes is to encourage students to explore the *Understanding Space* textbook and learn the basics of space operations and planning. During the on-line Qualification Rounds, teams will complete a 20-question multiple-choice quiz using ClassMarker, a professional Web-based testing service. Each team will be sent their own Log In and Password and when the team signs in and opens the Quiz, they will have 30 minutes to complete it. At the end of the 30-minute time limit, the Quiz will close. The team Quiz score will be a portion of the team’s final score for each Round.

The Quizzes for each Qualification Round come from selected chapters of the *Understanding Space* on-line textbook. In addition, teams will have the opportunity to take a Practice Quiz during Practice Round 1. Study Guides for each Quiz are available on the StellarXplorers Website under the Competition Tab. Each Team Director (TD) and Mentor will have a free copy of the textbook, which they own forever. Procedures for obtaining *Understanding Space* textbook access for TDs and Mentor are available on the StellarXplorers Website under the Competition Tab.

For each Qualifying Round of the competition, 20% of the total score will be based on an online Quiz. The Quizzes will be timed (30 minutes) and taken as a team (not individually). The Quizzes will consist of 20 Multiple Choice questions from selected Chapters of the *Understanding Space* textbook. For each Quiz, a Study Guide is available on the Website under the Competition Tab. Teams will not be very successful if they wait to look at the textbook for the first time when they take the Quiz. In order to be successful, we highly recommend teams find the answers to the Study Guide Questions before taking the Quiz.

StellarXplorers currently “own” 100 additional textbooks which we “loan” to teams, which is not sufficient to loan every team their own personal access. Each team, on request, will

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receive access to another textbook for the duration of StellarXplorers V. However, other teams **MAY** also have shared access. This just means only one team at a time would have access. We do not feel this will be a problem if you use the suggested Quiz preparation shown below. Again, teams should always have access to the TDs textbook.

**C. Quiz Preparation:** The goal of only allowing teams 30 minutes to compete the Quizzes is to encourage teams to explore the textbook *prior* to taking the Quiz. It is unlikely teams will score well if they wait until they open the Quiz to first look at the textbook and try to find the correct answers. The StellarXplorers staff feels having access to at least two textbooks per team is sufficient for teams to prepare for the Quiz. Teams need to find the answers to the Study Guide questions prior to the Quiz. It becomes a team management problem to make sure this is accomplished.

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