

Lesson Title: Building a Working Team	
Estimated Lesson Time: One class period / extra-curricular session (~ 50-60 minutes).	
Overview & Purpose: Students will determine, develop, and assess qualities associated with positive teamwork behavior in their team.	
Standards: Idaho Core Standards and Next Generation Science Standards (NGSS) relevant to the lesson. Idaho Core, WHST.6-8.4: Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. Idaho Core, SL.6.1: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on topics, texts, and issues, building on other's ideas and expressing their own clearly.	
Goals and Objectives:	Students will be able to demonstrate teamwork behaviors that benefit the group dynamic. Students will be able to reflect on and evaluate how these behaviors benefit the group dynamic.
Assessment:	<i>Formative</i> - Monitor student discussion and participation to ensure comprehension <i>Summative</i> - Review lab notebooks for understanding of effective teamwork behaviors.

Needed Materials:	<ul style="list-style-type: none"> • Idaho TECH Lab Notebook • Tape or glue • Scissors • (Activity #3 - timer / watch with a second hand) • (Activity #4 – 10 foot piece of rope with one knot per team member) • (Activity #7 – tent pole) • (Activity #8 – 4 pieces of cardboard measuring 1' x 1') • (Activity #8 - 2 blindfolds) • (Activity #8 – clear area on ground 10' x 10')
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Teacher preparation requirements: In addition to this lesson plan, review the materials in the Teacher and Student activity books. This lesson is designed according to the time constraints of a typical class period / extra-curricular session, and recommends that you select only three of the eight activities listed in the Teacher activity book. If time allows, you may include more activities. Please consider the material requirements and the teamwork skills targeted by each activity while making this selection.

Student configuration: As team size dictates, activities can either be done in small groups or as a whole-team activity.

<u>Lesson Procedures</u>	<u>Procedure Description</u>	<u>Estimated Time</u>
1. Introduction to Lesson	Inform students that they will rehearse working as a group. Explain that they will be participating in several practice activities that will require working as part of a team. Emphasize to students that how they <u>interact as a team</u> is the most important part of the activities.	5 minutes.
2. The 4 C's	Instruct students to read the first half of the lesson material from the Student activity book. Prompt students to give several suggestions for the other three "C" words. Write the 4 C's essential to effective teamwork (Communication, Cooperation, Compromise, and Caring) on a board. Explain to students that they should consider each these qualities while participating in the practice activities.	5-10 minutes.

3. Activity 1	Introduce students to the first selected activity, reading its instructions from the Teacher activity book. Before releasing students to begin the activity, reiterate the importance of considering how to apply the 4 C's and effective teamwork in completing the activity. Monitor student progress throughout, noting behaviors to address during later discussion.	10-15 minutes.
4. Activity 2	Introduce students to the second selected activity, reading its instructions from the Teacher activity book. Before releasing students to begin the activity, reiterate the importance of considering how to apply the 4 C's and effective teamwork in completing the activity. Monitor student progress throughout, noting behaviors to address during later discussion.	10-15 minutes.
5. Activity 3	Introduce students to the third selected activity, reading its instructions from the Teacher activity book. Before releasing students to begin the activity, reiterate the importance of considering how to apply the 4 C's and effective teamwork in completing the activity. Monitor student progress throughout, noting behaviors to address during later discussion.	10-15 minutes.
Summary & Evaluation Debriefing.	Lead students in a whole class discussion to consider how effective their team work was. Prompt students to identify the characteristics that make someone a good teammate. Instruct students to read the second half of the lesson material from the Student activity book, and have them write these characteristics in the provided space. Instruct students to cut and paste this list into their lab notebooks. Prompt students to write one sentence on the same page of their lab notebook, answering what they will improve about their teamwork in upcoming Rover Challenge activities.	5-10 minutes.

References and Resources:

Idaho Core Standards - <http://www.sde.idaho.gov/site/common/>

Next Generation Science Standards (NGSS) – <http://www.nextgenscience.org/next-generation-science-standards>

Idaho TECH website – [http://ed.isu.edu/Idaho TECH/index.shtml](http://ed.isu.edu/Idaho_TECH/index.shtml)

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