

Name: _____ Date: _____ Grade: _____

Partner(s): _____

Designing a Procedure

Task: Your job is to build a structure using all the lego pieces in the bag you are given. In addition, you must write a procedure on how to build the structure you designed. Remember, another team of students is going to follow your procedure and try to replicate the structure you built so, your procedure must be specific and easy to follow.

PART I. *Designing the Structure & Writing the Procedure*

1. Please record the lego set you are using: _____
2. Using all the lego pieces build a structure.
3. Use the cardboard shield to hide your structure from the other teams.
4. On a separate sheet of paper, write a procedure for building your structure.
5. Read the procedure you wrote and answer the following:
 - a. Do you think the other team will be able to replicate your structure following the procedure you wrote? _____
 - b. Please explain what you think was “good” about your procedure? _____

6. Place the structure you build back in the plastic bag and give it to your teacher. You also need to give both copies of your procedure to the teacher.

PART II. *Following a Procedure*

1. Please record the lego set you are using: _____
2. Using the procedure and set of lego pieces given, try to assemble the structure as instructed. *You cannot ask the team who designed it any questions.*
3. When you are finished building the structure, bring it to your teacher so it can be compared to the one built by the original team.
4. If the structures match, go to the next step. If the structures do not match, you can try again.

Evaluation Section

5. When completed, please answer the following:

a. Were you able to follow the procedure and build the structure correctly? _____

b. Was the procedure easy or hard to follow? _____

c. Please explain what made the procedure easy or hard to follow.

d. List three things you found “good” about the procedure.

- _____

- _____

- _____

e. Make two suggestions on how the other team could improve their procedure.

- _____

- _____

Criteria for Writing a Good Procedure: