



Portfolio Activity 6.6

HOW CAN YOU HELP STUDENTS BUILD UNDERSTANDING?

Materials Needed:

- Materials to conduct a short science investigation
- A science activity book

- A. With the help of your instructor, obtain a science activity book and select from it an investigation that you can complete with a group of students or a group of your peers. Keep the investigation simple. For example, you might investigate how to light a flashlight bulb using only one wire, one flashlight bulb, and one dry cell.
- B. Members of the group should predict the results of the activity. For example, members can complete the sentence "I predict that the bulb will ..." Each

member of the group should provide a prediction and recite the previous person's prediction. Have other students add modifications. Once all of the ideas are out, students can discuss the similarities and differences among their predictions.

- C. Conduct the investigation.
- D. Members of the group should discuss the results and justify the reasons for their beliefs. For example, students can use sentences such as "We think the bulb lit up because ...," "We think it did not light because ...," "We don't think it is ... because ...," and "I think we should ... because ..."