**Save Sammy Lab-**

**Please write on your own paper (one piece per pair)**

Sammy has been spending his summer boating on LakeJessup. However, he’s not too bright (after all, the brains of worms are pretty small).  He’s never learned how to swim, and he never wears his life preserver.  The worst has happened!  His boat has capsized and he’s stuck!  Fortunately, his life preserver is in the boat, but unfortunately he does not know how to reach it without falling off and drowning.

**Problem:**

How can you and your partner save Sam using only 4 paper clips.

You may not touch Sammy, the boat, or the life preserver directly with your hands.

Discuss with your partner(s) ideas for saving Sammy, each person must give and record one idea below on the lines. Record your name next to your ideas.

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**Procedures:**

1. Work with your partner and "Save Sammy".
2. Follow the rules: Sam, the boat, the life preserver can be touched only with the paper clips.  NO HANDS!!!

**Challenge:** Try to complete this task using only one paperclip each, if you are not able to save Sammy let me know and I will give you an additional paperclip.

**Follow up:** Discuss the below questions with your partner then take turns recording your answers. You may use an extra sheet of paper or the back if you need more room.

1. Describe some challenges that you and your partner had trying to save Sammy.
2. Would it have been easier to work alone? Why or Why not?
3. Did your first attempt to save Sammy work? If not what did you do to modify your next attempt?
4. Did you and your partner disagree about a way to save Sammy? If so, what did you do so that you were able to work together to solve the problem?

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