



SfS Away from the Classroom!

SP01: Procedural Thinking (Recommended for Grades 3-8)

Please use the following resources to learn about procedural thinking.

Watch this Video: <https://www.youtube.com/watch?v=FN2RM-CHkul>

Answer these questions:

- What happened when the kids forgot to write down steps?
- What type of instructions helped the Dad make the sandwich?
- Can you write instructions to help someone make your favorite sandwich?

Activities: Follow these directions to practice your procedural thinking and writing skills.

You will need:

<ul style="list-style-type: none">• A lab partner• 10 plastic cups or 10 legos	<ul style="list-style-type: none">• Pen or pencil to write• Paper
---	--

1. Go to a space away from your lab partner so they can't see what you're building.
2. Build a structure by stacking the cups or building with the legos (you don't need to use all 10).
3. Write out the instructions to help your lab partner build your structure.
4. Take the structure apart.
5. Your lab partner should use your instructions and the materials to build a structure, you watch silently (no hints!).
6. Does it look the same?
 - a. If it's not the same, edit your instructions and try again.
 - b. If it's the same, great job! Now it's your lab partner's turn to write instructions for you, starting from Step 1.

Make this into a game with 4 people (2 teams). The player that writes instructions that helps their teammate build the structure closest to their original, gets 1 point for their team.

Make observations & use Claims, Evidence, and Reasoning!

1. **Claim:** When you write procedural text (e.g. instructions, recipes) you need to be specific.
 - **Evidence:**
 - **Reasoning:**
2. **Claim:** Pictures and diagrams make writing and following instructions easier.
 - **Evidence:**
 - **Reasoning:**

