

Science At Home



Break that Task

Key Coding Skill: Decomposition

Decomposition is the skill of taking one large task or object and breaking it down into smaller steps. For example, "making bread" is broken down into steps using a recipe. This skill is critical for planning codes and communicating with robots.

What to do:

1. Choose one of the tasks on the right.
2. Think about what you will need. What are your supplies? What steps will you need to achieve the goal?
3. Draw or write your steps down.
4. Share it with a friend to check for missing steps. Share your "code" with us!

Tasks:

- Going to the beach
- Going shopping (remember a mask!)
- Planting a garden
- Making a sandwich
- Playing hopscotch
- Using netflix
- Changing a diaper

Take it Further!

Compare what you wrote/drew with the following: variables, codes, functions, sprites. Can you guess which match?

Share your
"code" with us!

