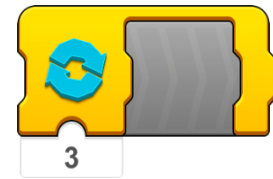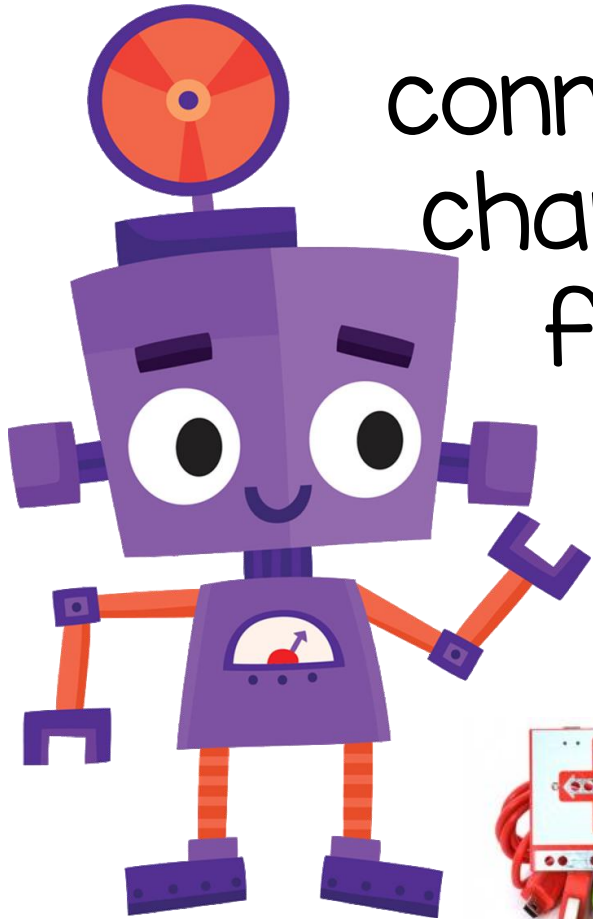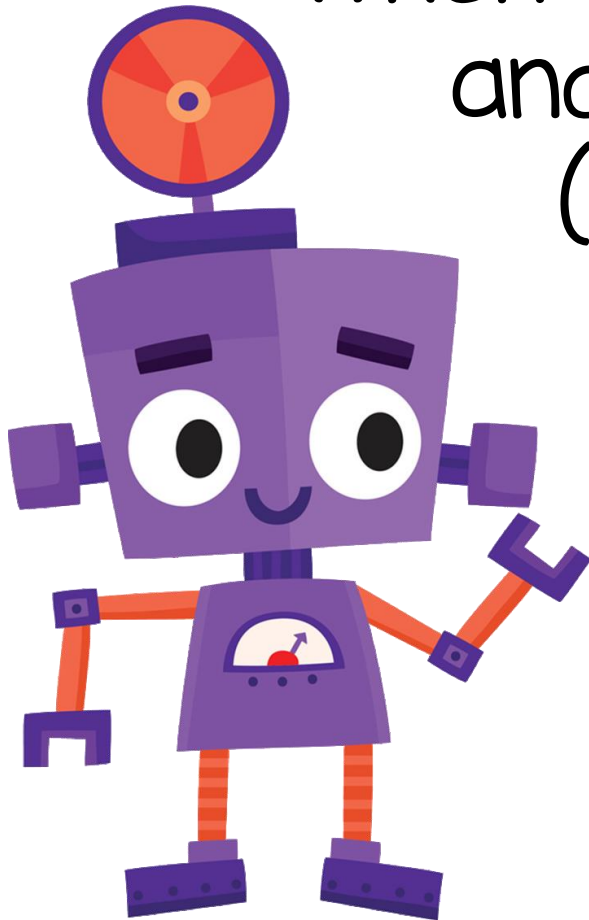# COMPUTATIONAL THINKING

ABSTRACT

The process of making connections and getting rid of the characteristics we don't need to focus on those that we do.

DECOMPOSE PROBLEMS

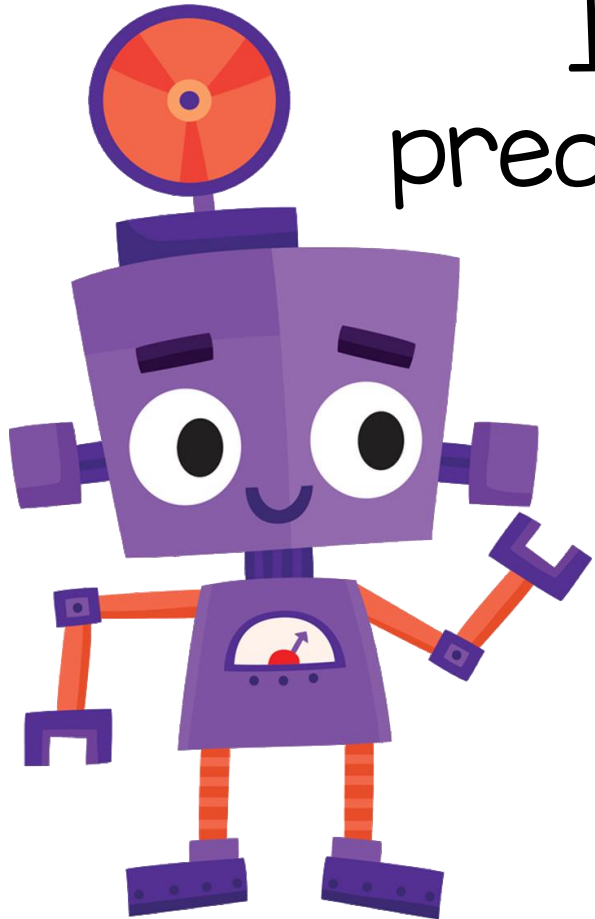When we take a larger problem and breaking it down into (manageable) pieces.

54 + 55 = ??

↓

40 + 50 = 90
4 + 5 = 9

↓

90+9 = 599

FIND PATTERNS

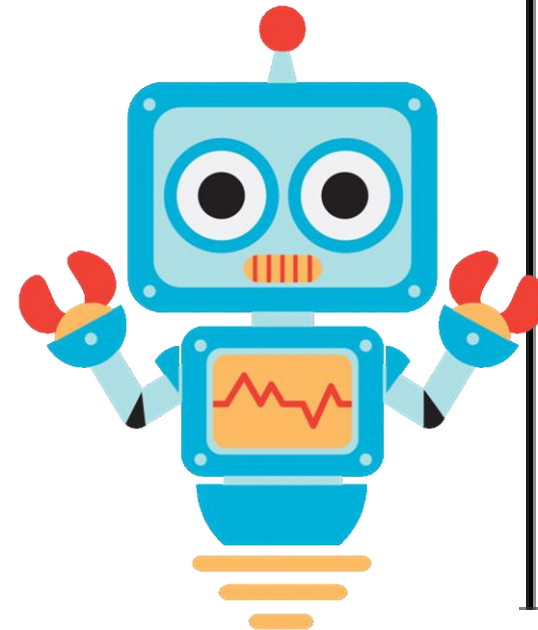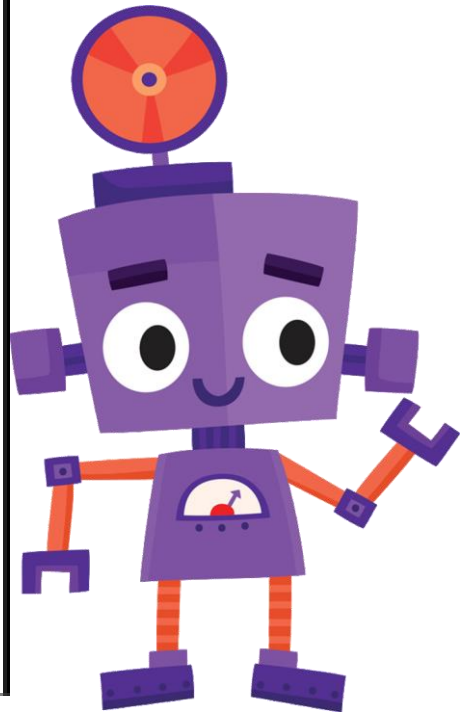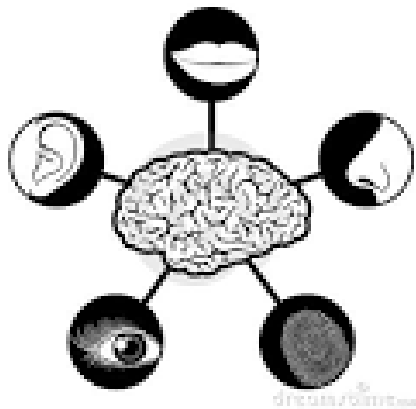Identify patterns to make predictions, create rules, and solve problems

COLLECT DATA

Where are we getting our information from? What type of data are we collecting?

QuaLitative **observations**

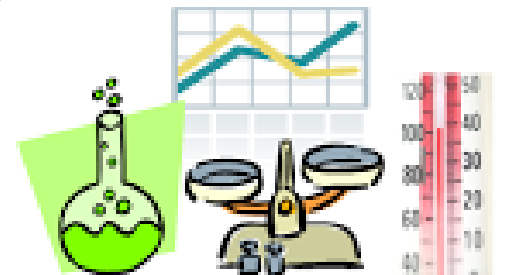use your senses to observe the results.

QuaNtitative **observations**

are made with instruments such as rulers, balances, graduated cylinders, beakers, and thermometers.
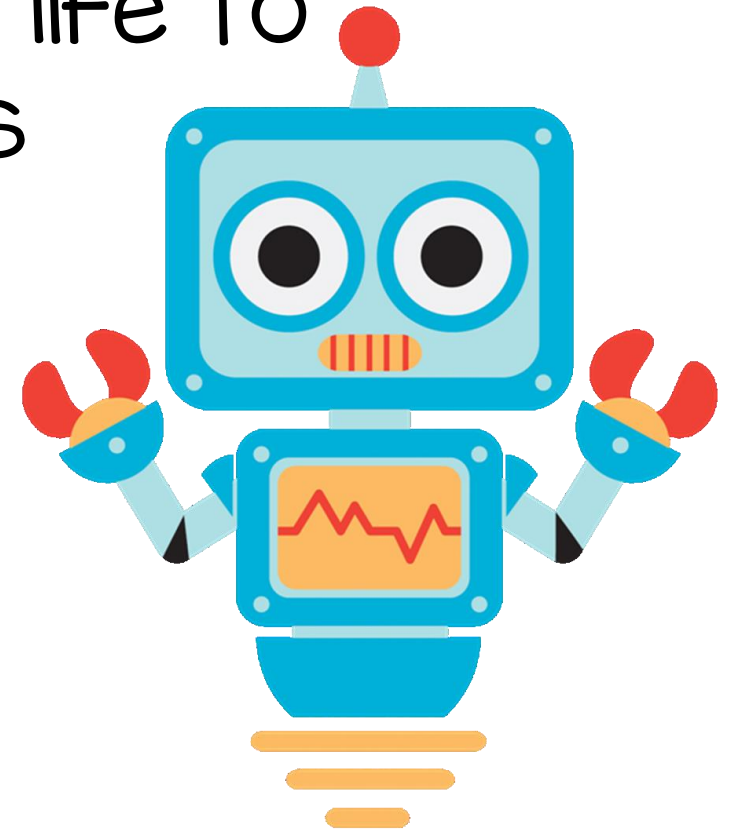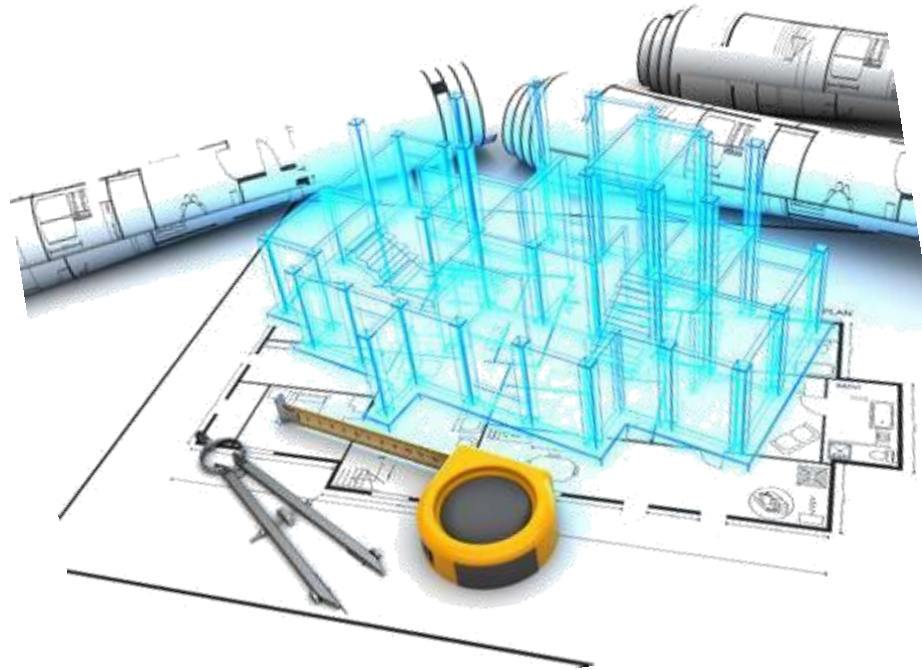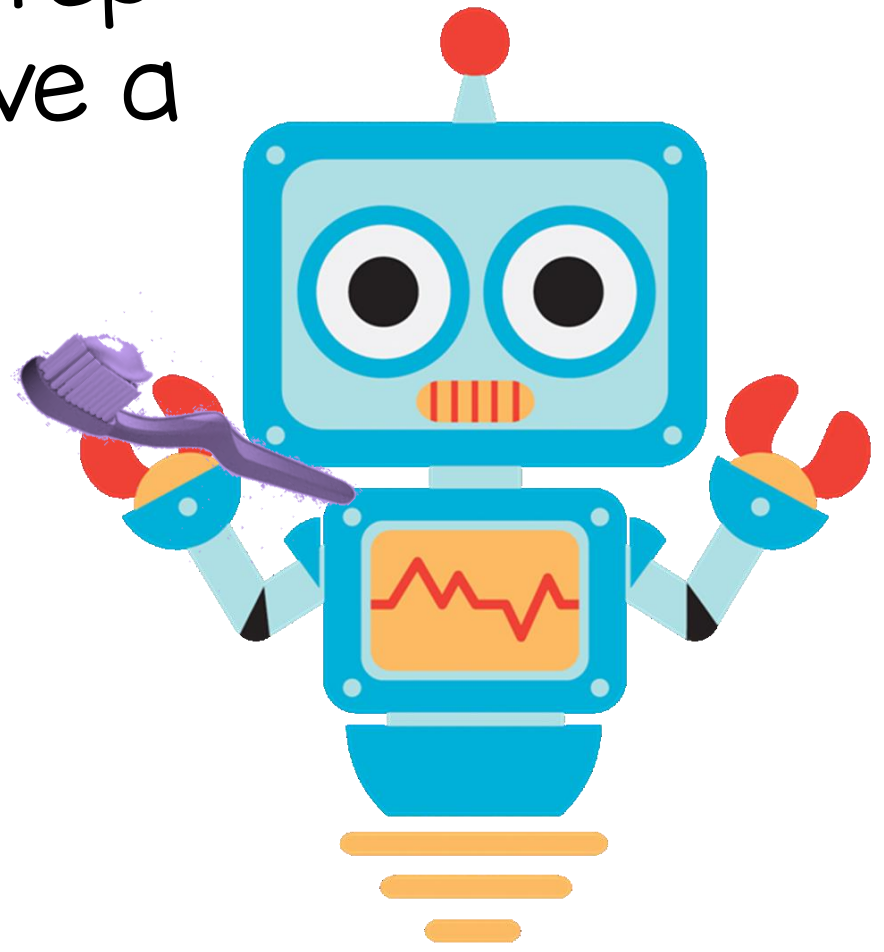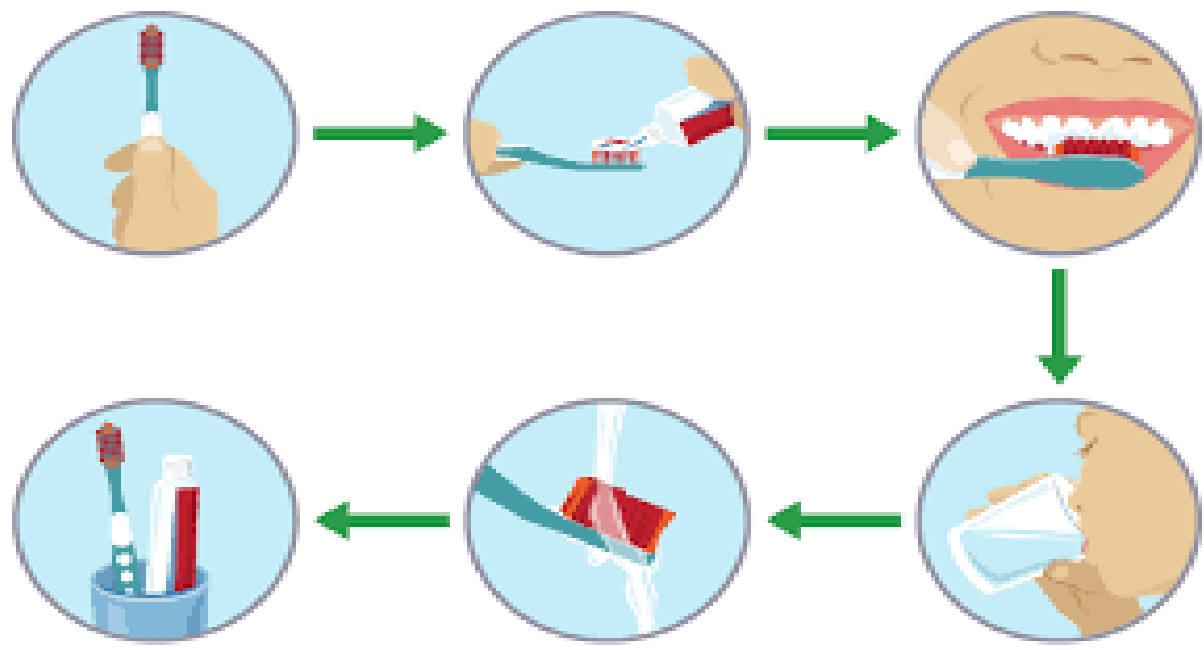These results are measurable.
(numbers)

BUILD MODELS

Plan, test, and refine an object before building it in real life to predict outcomes

DEVELOP ALGORITHMS

Using step-by-step directions to solve a problem!

ANALYZE DATA

Create and evaluate charts and other information to test your prediction

Daily Temperature Graph