Bee-Bot City

WHAT: The Bee-Bot robot is programmed by pressing the desired buttons and then pressing **go**. <u>Be sure to press **clear** between each program!</u> You can press multiple instructions before pressing go.

YOUR CHALLENGES: Help us build our Robot City! Make sure to include buildings, streets, and environmental print to help your bot navigate around the city.

Challenge 1)
Determine the length of one bee unit (length of 1 move).

Challenge 2)
Draw out a city block and/or streets using bee units.

Challenge 3)
Determine and label the area and perimeter of your block in bee units.

Challenge 4)
Program your bee to navigate around the city.

Go forwards 1 step

Turn left 90 degrees

Turn right 90 degrees

Clear the memory

Pause the procedure

Go backwards 1 step