ASCII

## American Standard Code for Information Interchange (ASCII)

Computers and other devices use ASCII to represent text. They can only use 0s and 1s. The ASCII code for the alphabet is A = 65, B = 66, …, Z = 90. These numbers are converted to base 2 so they can be sent in 0s and 1s.

1. Choose any 5 letters of the alphabet and convert its’ base 10 number to base 2 to see the ASCII code for the letters.

## Do in Pairs

If you have bar magnets, use them for this. Otherwise, draw pictures of the magnets.

1. Partner 1: Take the ASCII code for one of the letters in Part A and represent it using bar magnets. 1 = Attract, 0 = Repel

Partner 2: Use a bar magnet to read the ASCII code set up by Partner 1. What letter is it?