

Crack the Code

Materials:

- Code task sheets in sheet protectors
- Dry erase markers
- Code breaking tool print outs
- Fasteners

What to Do:

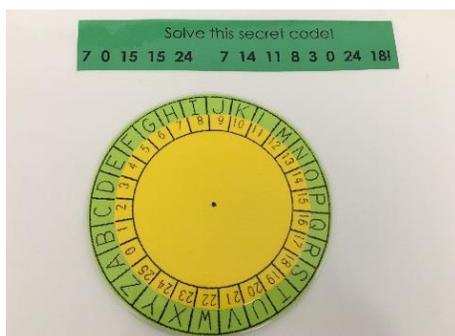
Use a code breaking tool to decipher codes and find values!

How to do it:

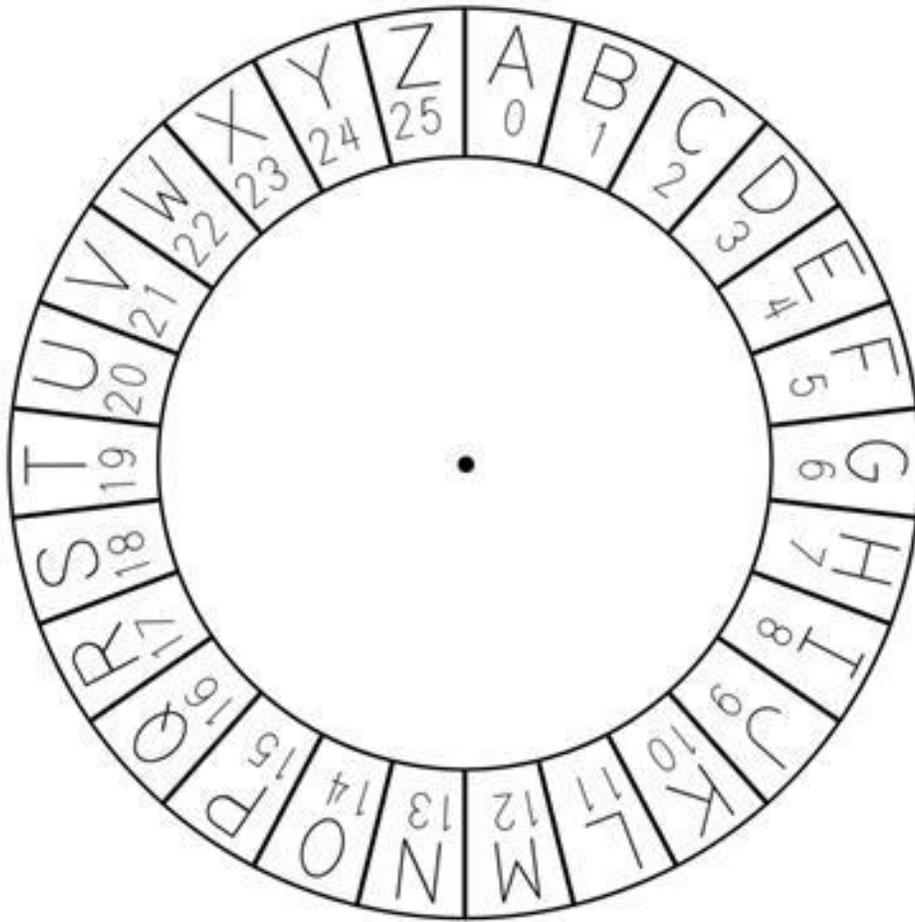
1. Take a code breaking tool template and cut out both circles. If you have a template with one blank circle, write in different number values in each section.
2. Layer the smaller wheel over the larger wheel, lining up the numbers and letters. Carefully, push a fastener through the middle to attach both circles to each other.
3. Using the decoder tool, use dry erase markers to complete the tasks on the task sheets!
 - a. Task 1: Using the decoder, solve the secret message!
 - b. Task 2: Using the decoder, write a secret message!
 - c. Task 3: Use the decoder to find the value of your name. For example, John would be $9+14+7+13=43$
 - d. Task 4: Use the decoder to find a 3 letter word that has a value greater than 40!

Learn more together:

A cipher disk is a deciphering tool that was developed in the 1400s by Leon Battista Alberti. Sometimes the disk will have only letters and sometimes a disk can have both letters and numbers that will be used to make a code. You can make your own cipher wheel at home with just a few sheets of paper and a pencil. Write your own code and have someone else decipher it!



← Cipher disk



Crack the Code

Directions: Using the decoder, complete the following challenges. Keep the letter A lined up with 0.

Solve this secret code:

7 0 15 15 24 7 14 11 8 3 0 24 18!

Write a secret message using the decoder.

Use the decoder to find which has a greater value: your first name or last name.

Use the decoder to find a 3 letter word that has a value greater than 40.

Find an animal whose name has a value less than 25.

What is the value of
supercalifragilisticexpialidocious?