

Secret Code: Make a secret code machine.

Print pages 2 and 3. Cut out the discs. Put the small disc on the big disc.

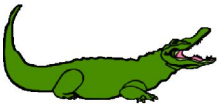
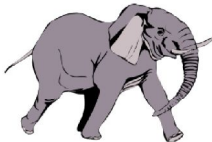


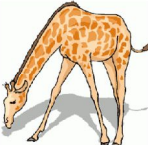

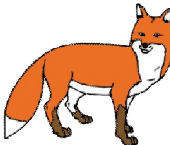





Pick a letter on the big disc and a number in the small disc: this is your key (ex. B - 1).

Turn the small disc so that the number (1 in our example) lines up with the big disc letter (B in our example). 1 also corresponds with X on the small disc. Don't move the discs now, keep the discs in place: attach the 2 discs with a split pin through the centre of the two discs or with two magnets.

Write down your message in English. For each letter of your message, find that letter on the big disc, and write down the letter that is exactly beneath it on the small disc...

To read the encrypted message, get the key from the message sender and align the discs. For each letter of your message, find that character on the small disc, and write down the letter that is exactly above it on the big disc.

I wrote this using the secret code machine:

			
ODAOAPUXR	QXQBVMZF	LQNDM	FUSQD
			
SUDMRRQ	WMZSMDAA	RAX	BAZK
			
RDAS	AIX	BMDDAF	VMSGMD

Can you find my key?

Can you write your name using the secret code? Can you write the date using the secret code?

Create your own secret code: choose a letter on the big disc and a number on the small disc. Turn the discs to make letter and number match. Keep the discs in place then.

