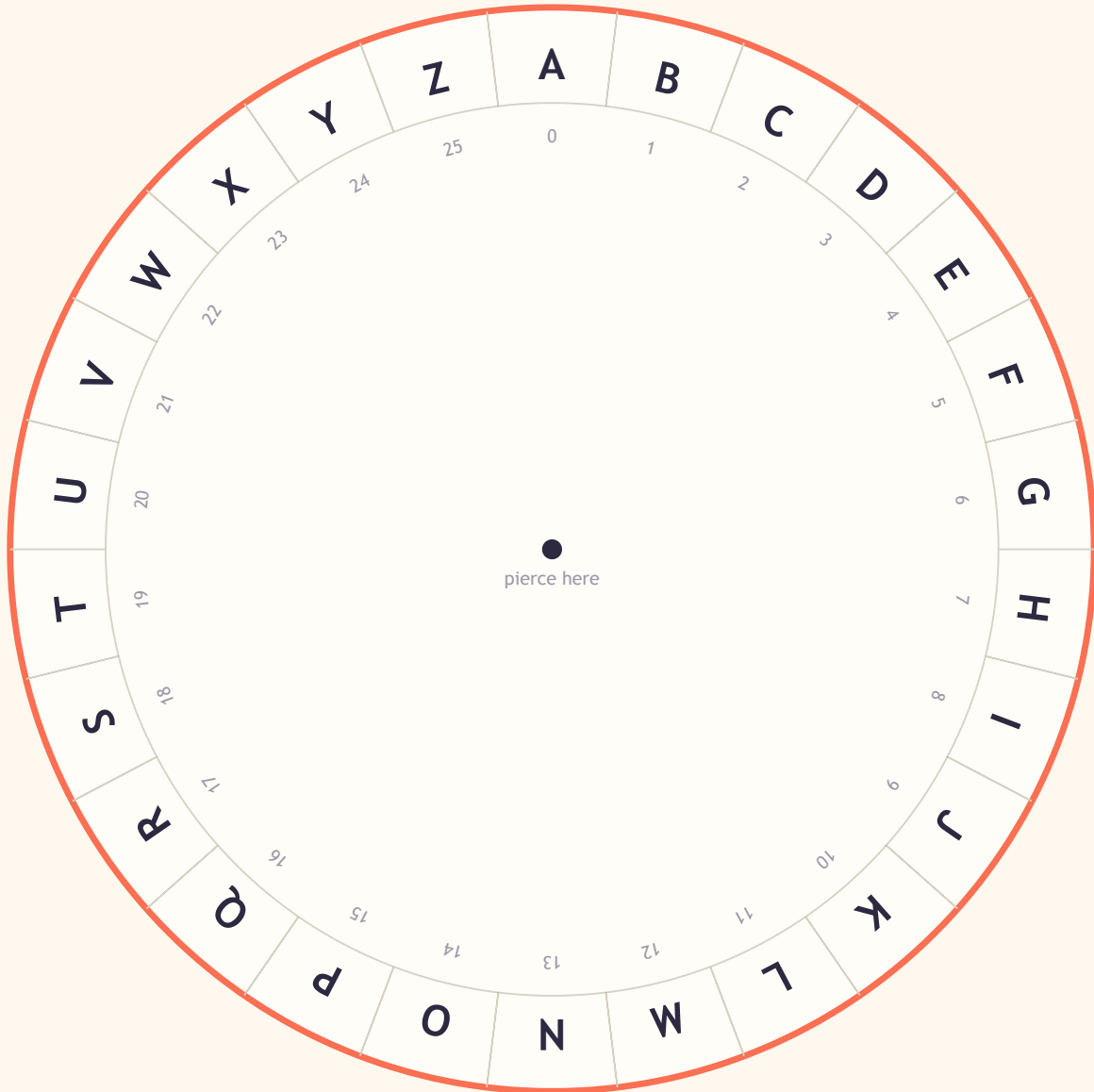


Cipher Wheel

Printable template – cut out both wheels and write secret codes!

Wheel 1 of 2 – the OUTER wheel (cipher letters)

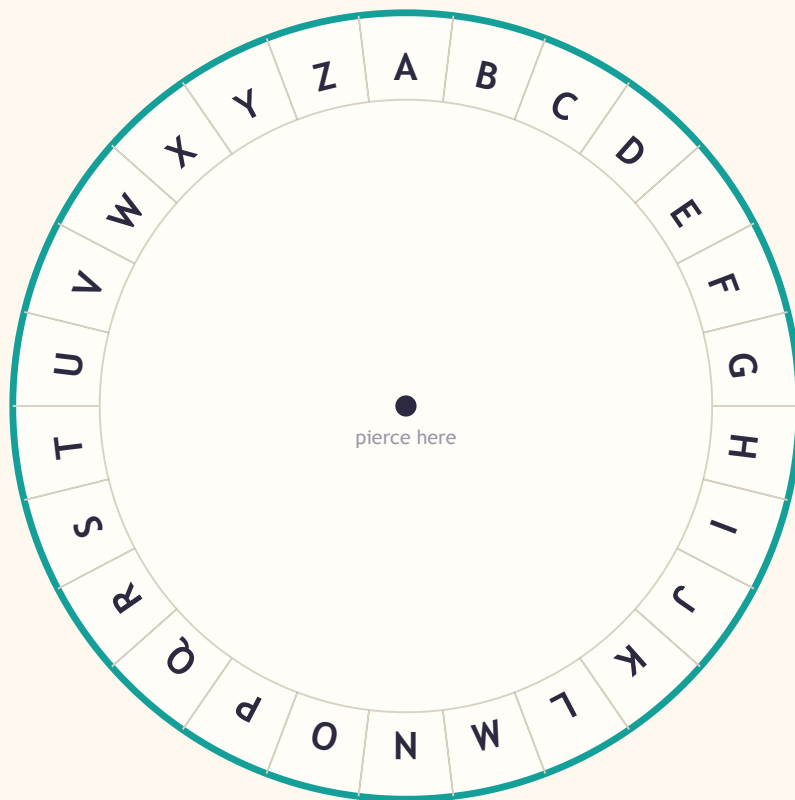
✂ cut along the outer edge



STEM Little Explorers

Wheel 2 of 2 – the INNER wheel (message letters)

✂ cut along the outer edge



How to put it together

1. Print both pages (thicker paper works best) and cut out both wheels along the outer circles.
2. Glue each wheel onto cardboard and trim, so they last longer.
3. Place the small wheel on top of the big one and push a split pin (paper fastener) through both center dots.
4. Spin the small wheel – your cipher wheel is ready!

How to write a secret code

1. Pick a secret key number with your friend, for example 3.
2. Turn the inner wheel so its A points at the outer letter with the little number 3 (that's D).
3. To encode: find each letter of your message on the INNER wheel and write down the OUTER letter above it.
4. To decode: find each letter on the OUTER wheel and write down the INNER letter under it.

Example with key 3: HELLO becomes KHOOR.