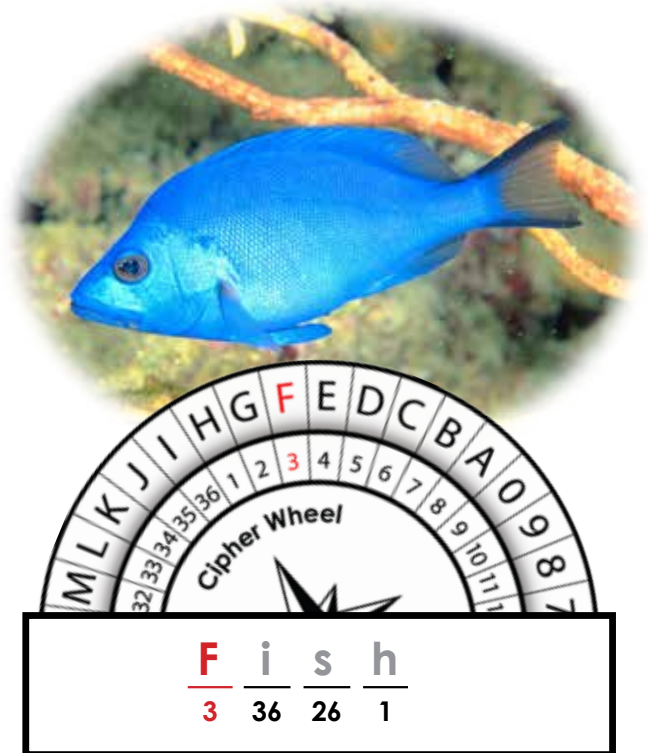# Fish Characteristics

Materials:

- Scissors
- Brass paper fastener
- Cipher wheel (pages 2 and 3 of this worksheet)
- Fish Characteristics Cipher Code Fact Cards (pages 4 through 7 of this file)

Assembling the Cipher Wheel

Step 1: Print the cipher wheels on thick card stock.

Step 2: Carefully cut out the inner and outer wheel.

Step 3: Attach the inner wheel to the outer wheel, using a brass paper fastener.

Cracking the Code

Spin the wheel to match the letters and numbers at the top of the fact card. (example: 3 = F)

Keep the wheel in this position as you search for the correct letter match to each number on the fact card.

Write the correct letters in the blank spaces on the fact card.

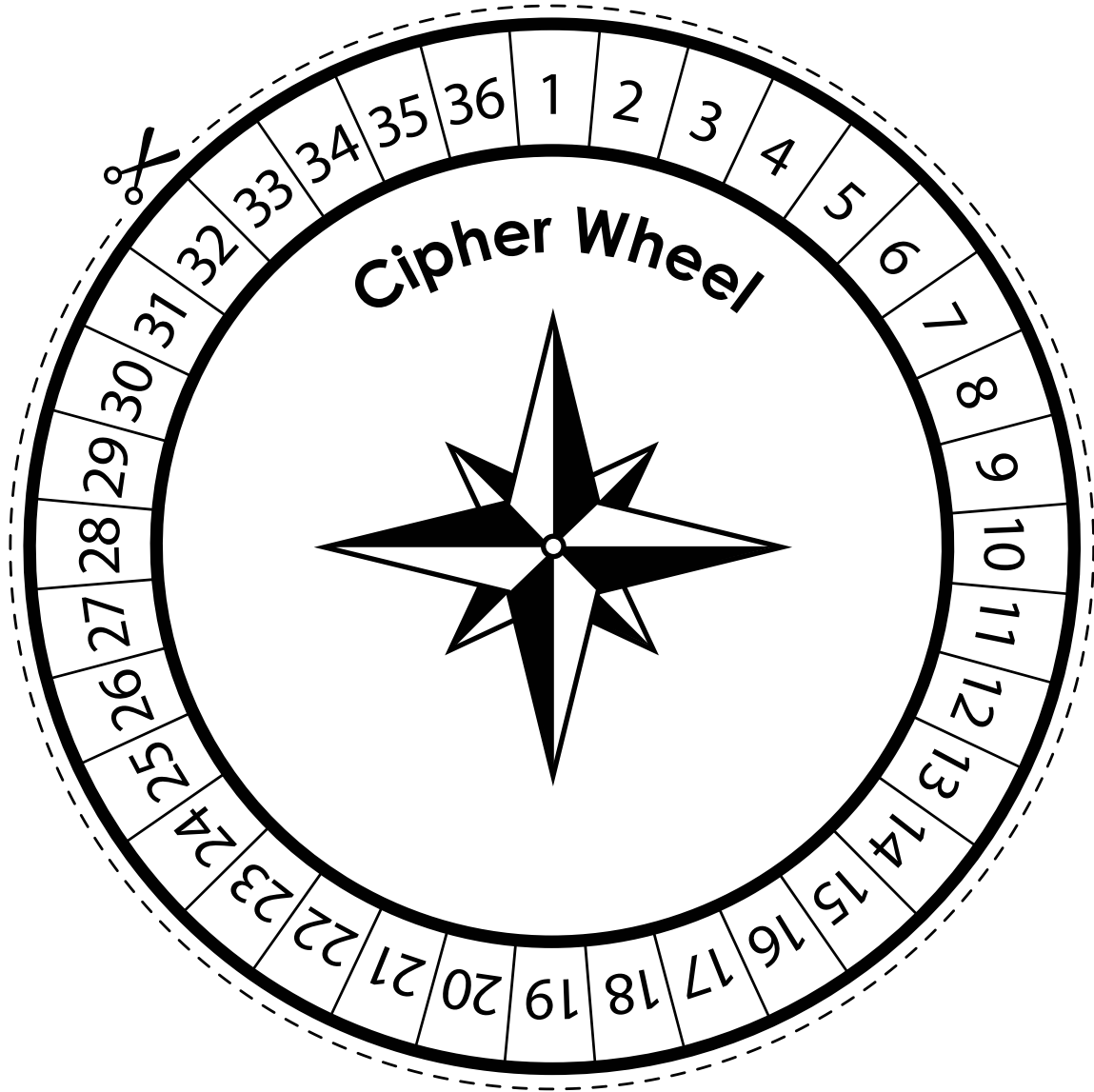When the fact is done, read the fact about Fish Characteristics.

Suggestions for Teachers

In order for the wheel to work correctly, the brass paper fastener must be pushed through the exact center of the wheel. Your students may need help with this step.
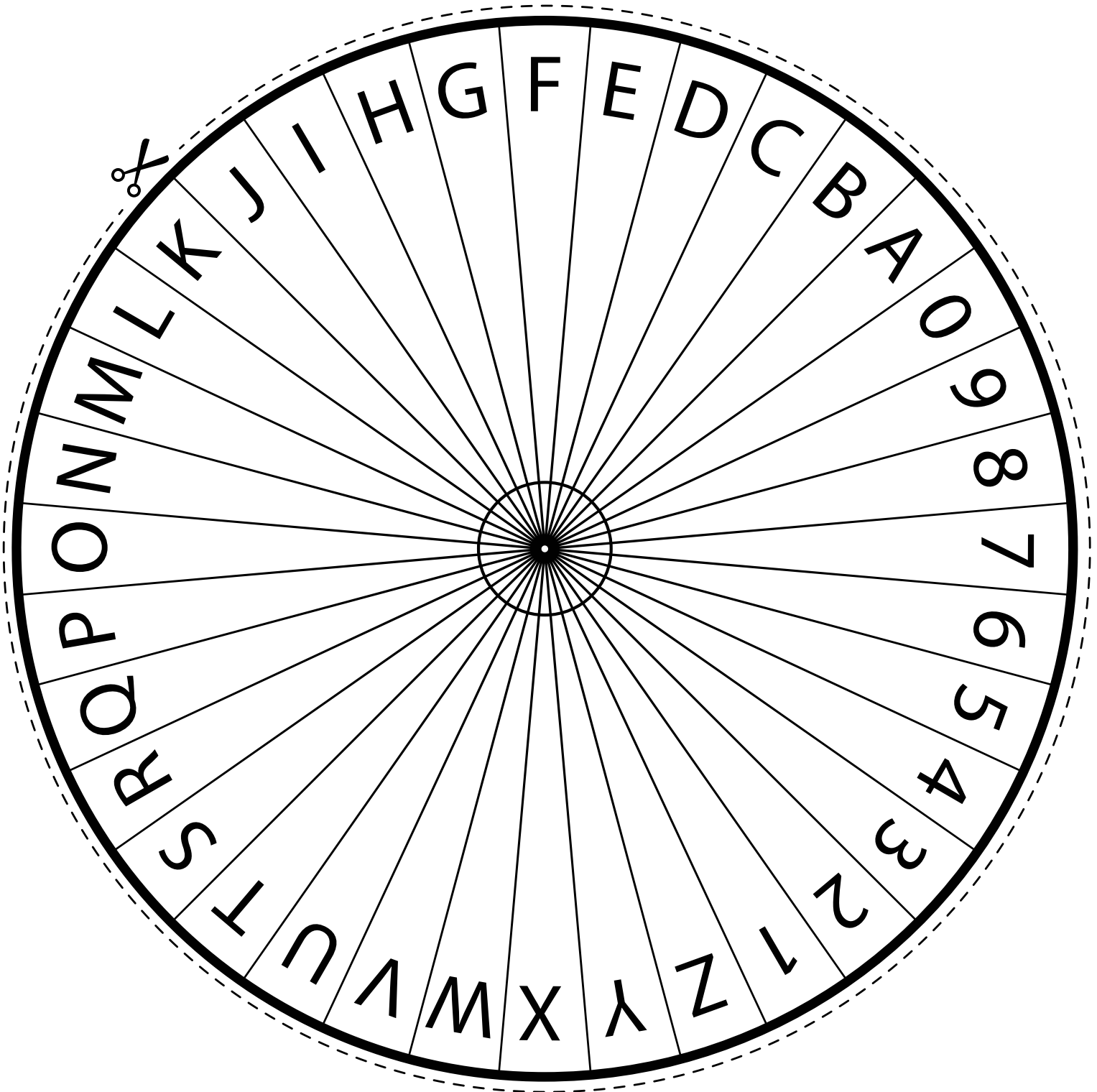
Have students save their cipher wheel for future activities. We have cipher code fact cards covering many topics on *SuperTeacherWorksheets.com*.

The entire activity does not need to be completed in one day. You may want to have students work on this activity for a short period of time each day until they've completed all of the fact cards.

Fish Characteristics

Cipher Wheel

Fish Characteristics Fact #1

Use your Cipher Wheel to decode a fact about Fish Characteristics.
Use **24 = J** as the reference point on your wheel.

M O S T   F I S H
21 19 15 14   28 25 15 26

H A T C H   F R O M
26 33 14 31 26   28 16 19 21

E G G S ,   B U T
29 27 27 15   32 13 14

S O M E   S H A R K S   G I V E
15 19 21 29   15 26 33 16 23 15   27 25 12 29

B I R T H   T O   L I V E
32 25 16 14 26   14 19   22 25 12 29

Y O U N G .
9 19 13 20 27

Fish Characteristics Fact #2

Use your Cipher Wheel to decode a fact about Fish Characteristics.
Use **33 = Z** as the reference point on your wheel.

___ ___ ___ ___   ___ ___ ___ ___
10 8 4 3   17 14 4 15

___ ___ ___ ___   ___ ___ ___ ___ ___ ___
15 22 1 18   4 20 22 11 18 4

___ ___ ___ ___   ___ ___ ___ ___ ___
3 15 22 3   20 8 1 18 5

___ ___ ___ ___ ___   ___ ___ ___ ___ ___ ___   ___ ___ ___ ___
3 15 18 14 5   21 8 19 14 18 4   11 14 12 18

___ ___ ___ ___ ___ ___ ___ ___ .
5 18 7 3 14 11 18 4

Fish Characteristics Fact #3

Use your Cipher Wheel to decode a fact about Fish Characteristics.
Use **24 = Q** as the reference point on your wheel.

___ ___ ___ ___   ___ ___ ___
35 32 22 33   4 23 36

___ ___ ___ ___ — ___ ___ ___ ___ ___ ___ ___ .
2 26 29 1   3 29 26 26 1 36 1

___ ___ ___ ___   ___ ___ ___ ___ ___
21 33 32 22   28 36 4 27 22

___ ___ ___ ___ ___   ___ ___ ___ ___
21 33 36 32 23   3 26 1 16

___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___   ___ ___ ___ ___ ___ ___ ___ .
21 36 28 25 36 23 4 21 20 23 36   2 33 4 27 34 36 22

Fish Characteristics Fact #4

Use your Cipher Wheel to decode a fact about Fish Characteristics.

Use **18 = L** as the reference point on your wheel.

___ ___ ___ ___   ___ ___ ___ ___ ___ ___
24 21 11 22   **27 29 16 16 15 10**

___ ___ ___ ___ ___ ___ ___   ___ ___ ___ .
28 12 25 29 10 22 25   **29 21 12**

___ ___ ___ ___   ___ ___ ___ ___
10 22 25 5   **22 29 8 25**

___ ___ ___ ___ ___   ___ ___   ___ ___ ___ ___   ___ ___ ___ ___
23 21 18 18 11   **10 15**   **22 25 18 14**   **10 22 25 17**

___ ___ ___ ___ ___ ___ ___   ___ ___ ___ ___ ___ ___   ___ ___
28 12 25 29 10 22 25   **15 6 5 23 25 16**   **21 16**

___ ___ ___   ___ ___ ___ ___ ___ .
10 22 25   **7 29 10 25 12**

Fish Characteristics Fact #5

Use your Cipher Wheel to decode a fact about Fish Characteristics.
Use **27 = V** as the reference point on your wheel.

EXAMPLES OF FISH INCLUDE SHARKS, SALMON, CATFISH, AND TUNA. WHALES AND DOLPHINS ARE NOT FISH. THEY ARE MAMMALS.

Fish Characteristics

Fish Characteristics Fact #1

Most fish hatch from eggs, but some sharks
give birth to live young.

Fish Characteristics Fact #2

Most fish have scales that cover their bodies,
like reptiles.

Fish Characteristics Fact #3

Fish are cold-blooded. This means their
body temperature changes.

Fish Characteristics Fact #4

Fish cannot breathe air. They have gills to help them breathe oxygen in the water.

Fish Characteristics Fact #5

Examples of fish include sharks, salmon, catfish, and tuna.
Whales and dolphins are not fish. They are mammals.