Cipher Wheel - Secret Code Facts

Bird Characteristics

Materials:

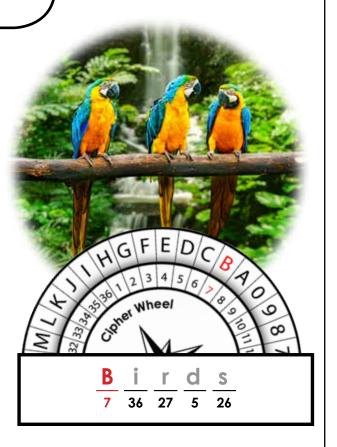
- Scissors
- Brass paper fastener
- Cipher wheel (pages 2 and 3 of this worksheet)
- Bird Characteristics Cipher Code Fact Cards (pages 4 through 7 of this file)

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: 7 = B)

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 Bird Characteristics.

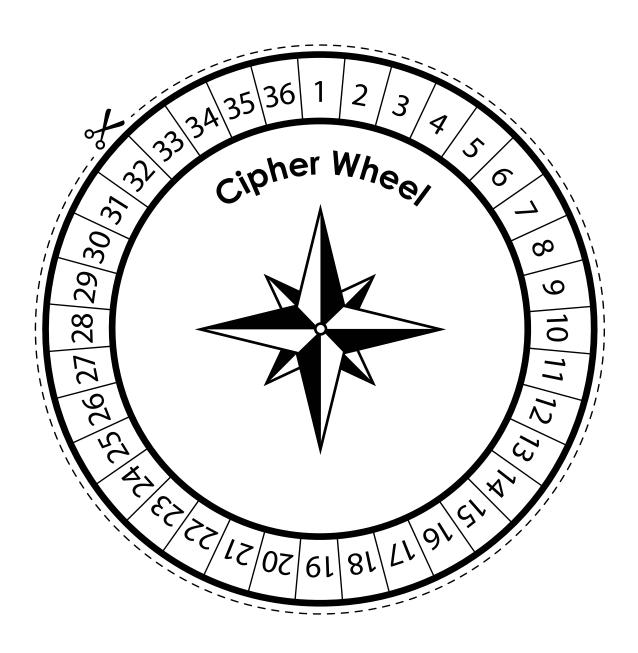
Suggestions for Teachers

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.

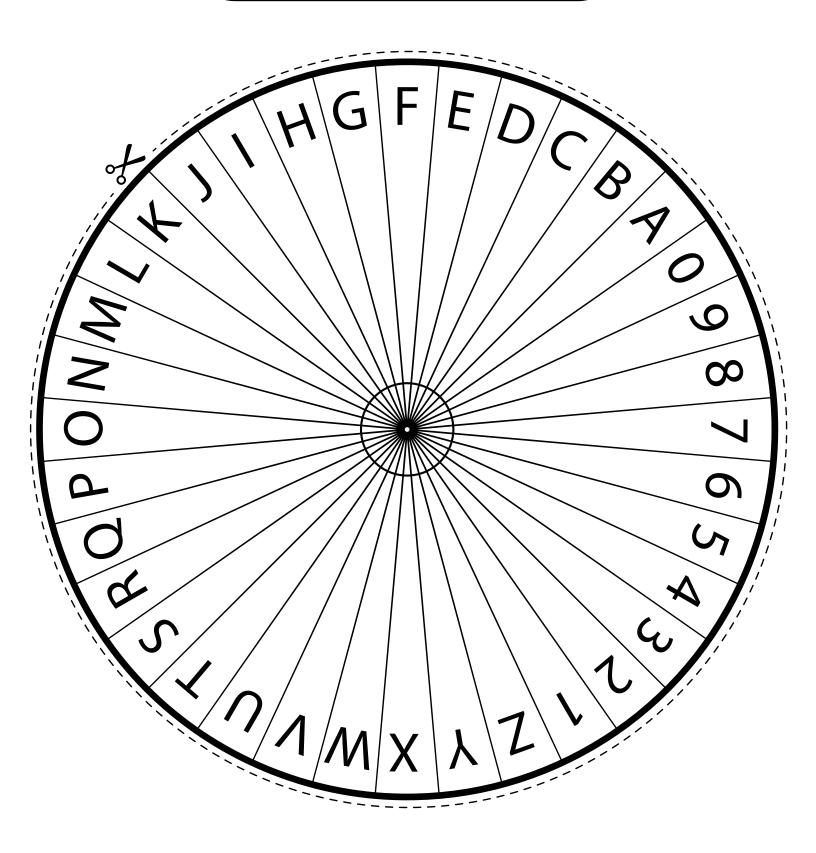
The entire activity does not need to be completed in one day. You may want to have students work on this activity for a short period of time each day until they've completed all of the fact cards.

Bird Characteristics



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Bird Characteristics





Bird Characteristics Fact #1

Use your Cipher Wheel to decode a fact about Bird Characteristics. Use **14 = O** as the reference point on your wheel.

27 20 11 25 10

21 28 9 26 21

23 11 14 16 24 22 22 10

16 14 9 21 24 11

27 20 11 25 10

9 28 18 24

26 28 11 24

14 23

9 21 24 20 11

4 14 8 15 22

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Bird Characteristics Fact #2

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

Use **23 = U** as the reference point on your wheel.

35 26 4 25

36 7 22 3

32 23 30 1 25

24 29

26 3 7 24 36 3 7 35 26



Bird Characteristics Fact #3

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

Use 12 = E as the reference point on your wheel.

16 15 8 35 13

9 16 34

33 30 2

5 12 10 34

16 3 13

16

<u>15 2 13 28</u>

<u>14 2 31 12 35 12 13</u>

8 3

11 12 16 33 9 12 35 34

16

15 8 35 13

16 5 34 2

9 16 34

16

15 12 16 6

2 35

16

15 8 5 5

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Bird Characteristics Fact #4

Use your Cipher Wheel to decode a fact about Bird Characteristics. Use 1 = A as the reference point on your wheel.

36 29 20 34 19 1 20 33 36 26 23 23 34 33 34 15 1 20 25 25 33 1 24 19 18 30 29 19 18 30 33 13 30 1 16 33



35 23 24 19 18 1 24 18

18 33 25 22 33 20 1 18 17 20 36 23 34 13

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Bird Characteristics Fact #5

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

Use **6 = G** as the reference point on your wheel.

8 25 12 36 33 1 8 30

11 4 31 9 30 34 7

4 35 10 1 28 9 8

30 8 12 6 28 1 1 30

6 28

34 30 29 31 4

10 5

30

10 5 4 10 2 8 35 30 12 35

4 35 30

12 31 8 11 12 29 30 35 34 29 11 4 31 9 30

36 12 36 36 12 1 30 29 5 8 24 12 31 8

Cipher Wheel - Secret Code Facts

Bird Characteristics

Bird Characteristics Fact #1

Birds hatch from eggs. Most mother birds take care of their young.

Bird Characteristics Fact #2

Birds have lungs to breathe air.

Bird Characteristics Fact #3

A bird has two legs, and a body that is covered in feathers. A bird also has a beak or a bill.



Bird Characteristics Fact #4

Birds are warm-blooded. This means they have a constant body temperature.

Bird Characteristics Fact #5

Examples of birds include seagulls, penguins, ostriches, and chickens. Bats are not birds. They are mammals.