**Waggle Dance Relay**

**At Home Activity**

Bees in a colony work with each other to gather food and try to find the most pollen and nectar in the least amount of time possible. Bees communicate messages to other bees about where pollen and nectar are through a waggle dance. The dance is used to get other bees to help collect resources for the hive.

We are going to do a human version of the waggle dance to decode messages. You will need a friend to do this activity with. Decide who will be the first worker bee. The worker bee will open one of the messages. That bee must communicate the message to the rest of the group using the waggle dance moves. You are not allowed to speak to one another.

The others must correctly translate the message verbally. Then they must correctly dance the message back to the worker bee. Take turns as the worker bee, and communicate messages back and forth. Tally how many correct translations each person completes.

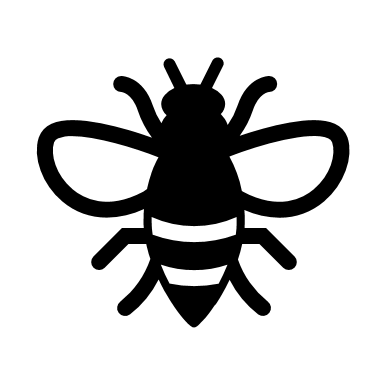
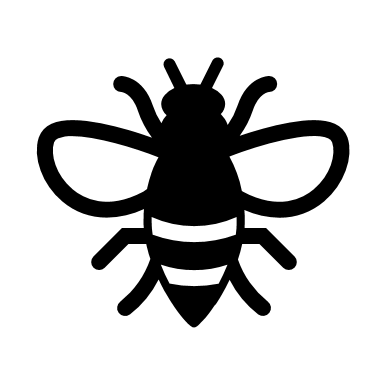
Before you start, it is recommended that as a class you practice the moves all to familiarize before starting the game. If you get stuck, you can try translating one line at a time. You can also shorten the messages from 8 lines to 5 lines.

Try making your own messages to translate. B sure to share your waggle dance with us!

@pharmabees

**Waggle Dance Moves:**

* Spin clockwise = turn right
* Spin anti clockwise = turn left
* Walk in place = go forward (each step is forward one)
* Jump = go up
* Crouch = go down
* Criss-cross = turn around
* Hands in the air = reverse (each wave is back one)
* Jumping jack = back to the hive

**Waggle Dance Messages**

go forward 5

turn right

go forward 3

go up

turn around

go back 2

turn left

back to the hive

turn left

go forward 6

turn right

go down

turn around

reverse 2

go forward 2

back to hive

go forward 4

go down

go forward 2

turn left

reverse 3

turn right

turn around

back to the hive

turn around

reverse 5

go up

go forward 6

turn right

go down

turn right

back to hive

reverse 8

turn left

go up

turn right

go forward 3

turn around

go forward 4

back to hive

go up

go forward 7

turn around

go down

reverse 3

turn left

go forward 4

back to hive

go forward 6

turn right

go down

turn right

go forward 8

turn around

go forward 4

back to hive

reverse 3

turn around

go forward 5

go up

reverse 2

turn around

reverse 6

back to hive

turn right

reverse 5

go down

turn left

go up

go forward 5

turn around

back to hive

go forward 7

turn around

go up

turn left

reverse 5

turn right

go forward 4

back to hive