

FRUITS AND FLOWERS CHALLENGE | TEACHER GUIDE

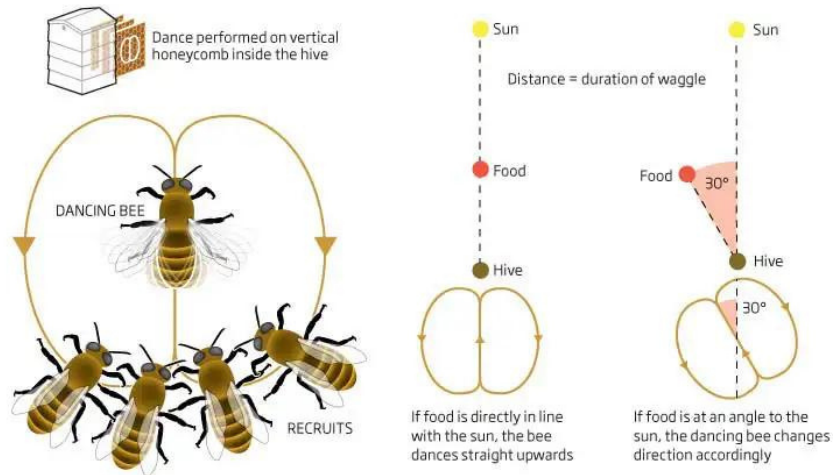


Image from New Scientist

Activity Overview:

In this challenge, students will experience how bees communicate with one another. The dance that bees use to communicate is called the “waggle dance”. Students will develop their own waggle dance to communicate to someone how find their secret object. Students will experience how bees use movement to communicate.



Prep Time: 5-10 minutes

Activity Duration: 10-20 minutes

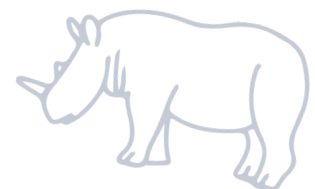
STANDARDS ALIGNMENT

MA Comprehensive Health

- PK.4.PF.1: Demonstrate developmentally appropriate locomotor movements (i.e., hop, gallop, jog, slide, skip, and run) and movement concepts (e.g., traveling in various pathways, showing differentiation of speed) in a variety of situations (e.g., incorporated in a dance or rhythm activity, applied during a game or activity).
- PK.5.MH.3: Demonstrate growth-oriented practices by attempting, repeating, and experimenting with a variety of experiences and activities.

MATERIALS NEEDED

- Computer
- Projector/Smartboard
- Phone/Camera
- [Waggle Dance Video Link](#)





BACKGROUND INFORMATION

Bees communicate the distance to flowers, their hive, and other resources by wiggling their bums. The longer the waggle lasts, the further away something is or the more available food there is. The infographic on the previous page explains how bees use this method of communication!

INSTRUCTIONS

1. Show the wagggle dance [video](#) to your class!
2. As a class choose a secret object that you will help someone find.
3. Come up with a simple dance as a class to communicate where this object is.
4. Invite a faculty member of your choice into your classroom to find the object.
5. Have your students perform their dance for your visitor to get them to find the secret object.
6. Take a picture or record your class doing their dance and send it to Change is Simple!
7. Bonus! Have your students teach one of their friends their dance, the meaning of the dance, and how bees communicate with movement!

