

## Classroom Project

### Echolocation (Gr. 3-5)

#### In-Class Video:

Sound is pretty muffled underwater, but not for creatures like dolphins and whales who use *echolocation* to communicate with each other and find things underwater. Let's hear how it works in this video:

#### [Science Behind Echolocation](#)



**Hands-On Activity:** Some students learn by doing. You can put them in groups so they can experience echolocation in their own classroom. See how echolocation works in this activity: [Echolocation Simulation](#).






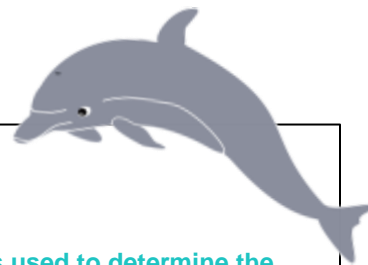
**Additional Information:**  
[Dolphin Echolocation](#)



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#### Fun Facts!

-  Echolocation is used to determine the location of objects or other creatures.
-  Only certain kinds of mammals can use echolocation.
-  Toothed-whales have a fat-filled organ on their head called a mellon. The mellon acts as a lens for sound waves.



#### Questions about art that link to STEM:

How does prey avoid being found with echolocation?

Which animals use echolocation?

Can animals that use echolocation also see with their eyes? Or hear with their ears?



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