



Thursday 05/30/2019

Science/Social Studies 2:00pm - 2:30pm

### Penguin Movement

Think of all the ways you move (have students try out movements and share). Ask students how they moved. What body parts helped you move that way?

I want you all to now walk like a penguin.

Penguins are crazy- they are birds that cannot fly, but they can walk, hop, and SWIM! The Emperor Penguin can hold its breath underwater for over 20 minutes!

Why do you think penguins walk how they do? How does it compare to how humans walk? Do all penguins walk the same way?

- Like most birds penguins walk on two legs, but because of how their legs are positioned on their bodies, they walk upright like humans.
- They use their flippers to help them balance
- If penguins leaned over like other birds when they walked they would fall over due to their center of gravity is different
- King Emperor Penguins sway when they walk so they don't slip on the ice (SHOW PIX OF BIRDS)
- Gentoo Penguins Trot and sometimes look like they are walking on a tight rope because they have to make their way down cliffs
- Rockhopper Penguins hop because their habit has lots of big rocks so they hop from rock to rock
- Another way some penguins get around is by laying down on their bellies and sliding across the ice or snow. This is called "tobogganing"

<http://www.youtube.com/watch?v=w9C0LRDT6LM>

[http://www.youtube.com/watch?v=COA\\_vgQjR6s](http://www.youtube.com/watch?v=COA_vgQjR6s)

<http://www.youtube.com/watch?v=VgEeoEbVEN0>

Remember the penguins we observed at the Detroit Zoo yesterday? We are now going to watch a Live Feed and see how they are moving right now! Can you figure out which penguin is which based on how they move?

### Notes

<http://penguins.detroitzoo.org/the-penguins/>

<http://dlpenguinlessons.weebly.com/move-like-a-penguin.html>

### Standards

**L.O.L.E.3** Structures and Functions- Organisms have different structures that serve different functions in growth, survival, and reproduction.

**L.EV.E.1** Environmental Adaptation- Different kinds of organisms have characteristics that help them to live in different environments.