

ADAPTATION RAP OR POSTER

INVESTIGATIONS IN SCIENCE 6

Science Anchors

Science anchors are ongoing engaging tasks that students can work on independently. They are curriculum based, clearly defined and differentiated for students. Students can work on science anchors as they complete work at varying rates, when the teacher is working with a small groups of students, at the beginning or end of a class period, or when they are waiting for teacher assistance. Sample science anchor tasks include: reading and responding to text, journaling, learning or interest centers, listening or viewing centers, independent research or projects and hands-on minds-on science kit tasks. Provide a variety of anchor tasks at your anchor station to address the diverse learning styles, interests and readiness levels of your students.

Purpose

Students select and complete a task to deepen their understanding of adaptations.

Task 1	Task 2
<p>Work with a group to select music, write lyrics, and perform an adaptation, rap or song.</p> <p>Extend-Make a music video of rap or song.</p>	<p>Select a life function to research. Identify different adaptations four organisms use to help them carry out the life function. Make a poster that illustrates adaptations four different organisms use to carry out the life function. The adaptations you illustrate must be different for at least two out of the four organisms.</p> <p>Extend-Illustrate different adaptations for all four organisms or include organisms other than animals.</p>

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Adaptation Rap or Song

Task 1

Overview

This task is to be used by students as they are exploring adaptations.

Goals

Students should know

some organisms have a better chance of surviving than others.

Students should understand

adaptations help organisms and groups of organisms survive.

Students should be able to

communicate how an organism's adaptations help it survive.

Engage:

Show and discuss the adaptation rap at the link below. The lyrics are provided on the next page.

<http://www.youtube.com/watch?v=YX8VQIJVpTg>

Required Resources

- Adaptation video segment
- One Adaptation Rap or Song resource page per student
- Music selections provided by teacher or students
- Computer(s) or audio player with headphones
- Blank paper
- Optional– Music composition paper

Extend

Have students make a music video.

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Camel Adaptation Song Lyrics

Teacher Reference

Chorus: Adapt Adap-ta-tion changes in the body to fit a location X2

Big pads on my feet

Better traction than a jeep

And another on my chest

So I can rest

On the sizzle and sands that fry like pan

I'm crossing the Sahara in my caravan



I'm the legendary dromedary

Four hundred pounds on my back in the desert I carry

Nothing to drink until the next oasis

Water is fresh so we never waste it

Chorus

Not a drop of rain it's arid extra dry

But I never get a grain of sand in my eye

If the wind blows gyro sand tornadoes

I've got better lids kids than J. Lo

Long and thick with a double lash

Close 'em fast built to last

continued

And the hump on my back

Got an extra tank

Like a savings bank packed with fat

The hump on my back is packed with fat X3

I won't say it again cause you know all that

Thick lips eat sticks and bones

Thorns and shrubs that others leave alone

Sometimes sip for the salty rind because the H2O

Is hard to find

My shaggy fur insulates

My body temps regulate

So I don't sweat and dehydrate

Live another day to procreate

Chorus

Repeat Chorus

INVESTIGATIONS IN SCIENCE 6**Adaptation Rap or Song****Task 1****Directions**

Work with your group to choose your music, write your lyrics, and prepare your performance.

Your group will perform for the class on_____.

Work as a group to answer the questions below.

1. Will your group write a rap or another type of song?
2. Will your group generate its own music or re-write the lyrics to an existing song?
3. How will your group work together to produce a rap or song?

Extend:

Make a music video for your rap or song. An example of an adaptation rap can be viewed at the link below.

<http://www.youtube.com/watch?v=YX8VQIJVpTg>

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Adaptation Poster Project

Task 2

Overview

This task is to be used by students as they are exploring adaptations.

Goals

Students should know

some organisms have a better chance of surviving than others.

Students should understand

adaptations help organisms survive.

Students should be able to

illustrate how four organism's adaptations help them survive.

Resources:

- One Adaptation Poster Project resource page per student
- Poster paper
- Markers and colored pencils

Extend

Have students illustrate different adaptations for all four organisms or encourage students to include organisms other than animals.

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Adaptation Poster Project

Task 2

Directions

Select a life function to research.

Identify different adaptations four organisms use to help them carry out the life function.

- 1.
- 2.
- 3.
- 4.

Make a poster that illustrates the adaptations four different organisms use to carry out the life function. The adaptations you illustrate must be different for at least two out of the four organisms. Underline the adaptations you will illustrate and get teacher approval before you begin your poster.

Teacher Approval: _____

Escape From Predators Example:

1. **Red-eyed Tree Frog**– camouflage on green leaves during the day, flash coloration to distract predators, climbing to escape from predators
2. **Broad-headed Skinks**- flash coloration to attract predators to tail, lose tail to escape from predators, grow a new tail
3. **Box turtle**– hard shell that closes (shell too hard for many predators to eat)
4. **Wood mouse**– good hearing and vision senses to assess if situations are risky, seek shelter to hide from predators



Life Functions

- Capture food
- Escape from predators
- Obtain oxygen
- Endure extreme temperatures
- Attract a mate
- Other: _____