At the conclusion of the lesson, the student will be able to use the skills of comparing and contrasting in science.

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Sources


ReadWriteThink  http://www.readwritethink.org/files/resources/lesson_images/lesson54/toolkit.pdf

Scientist cartoon on Graphic Organizer  http://www.how-to-draw-funny-cartoons.com/cartoon-scientist.html

Frogs from SC and GA  http://srelherp.uga.edu/anurans/index.htm

The Frog Scientist (Scientists in the Field Series)

Tyrone Hayes National Geographics  http://www.nationalgeographic.com/explorers/bios/tyrone-hayes/

http://www.url.com
Clip Art

Purchased clip art with permission to use. Please do not remove graphics for any use at all unless you have a licensed membership with ThistleGirl Designs.

ThistleGirl Designs

https://www.thistlegirldesigns.com/shop/
Teacher Notes

Subject: Science
Topic: Frog Scientist
Title: Perceptions
Grade: 5th
Lesson Duration: 50 minutes
Created by: Erika Carasik, Starr Jordan, and Courtney Howard

CCSD Mastery Teaching Model
Differentiation Strategies
Learning objective:
At the conclusion of the lesson, the student will be able to use the skills of comparing and contrasting in science.

Academic vocabulary:
compare, contrast, title, author, nonfiction, scientist

Focus Question:
How can I use the skill of comparing and contrasting in science?
How can we compare these frogs?

Red-banded Rubber Frog (TOC)

Waxy-Monkey Tree Frog (TOC)
What does compare mean?

Select the frog to find out.

What does contrast mean?

Select the frog to find out.

Definitions from Marzano and ReadWriteThink.
Our Honors Mentor's names are
Skill Development

Small Group Expectations
• taking turns
• valuing everyone’s input
• effectively communicating

Compare and Contrast Graphic Organizer
In small learning groups, when comparing and contrasting to Dr. Hayes and your scientist, write down the page number and the first word (fw) of the passage you are reading. This provides evidence for your thought process.

<table>
<thead>
<tr>
<th>P. # and fw.</th>
<th>Compare</th>
<th>Contrast</th>
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Form A
Independent Practice

Compare and Contrast OO - Independent Practice

Below you will compare and contrast what you now know about Tyrone Hayes and Albert Einstein. Use the Biography for Einstein to get more information.

Select for the Graphic Organizer

Select for Biography of Einstein
In what way is your life similar to Tyrone's life?
Assessment
Student progress on the objective is assessed informally during class discussions and formally via Form A (graphic organizer), Form C (a graphic organizer), and Form D (reflection exit ticket).

Differentiation
Multiple adult leaders are available to provide individual or small group assistance as needed. Students who have mastered the objective will be encouraged to analyze the similarities and differences between the drawn scientist and Tyrone to identify possible reasons. Summary points and key questions will be differentiated by scaffolding needs. Students classified as tadpoles will require significant scaffolding and assistance. Students classified as juvenile frogs will require some scaffolding and assistance. Students classified as adult frogs will require minimal scaffolding and assistance.
Extension

Select the photograph to read more about Tyrone Hayes.

Check out Frogs from South Carolina. Click the text below.

Frogs and Toads of South Carolina and Georgia
Attachments

- CCSD Mastery Teaching Model.doc
- Differentiation Strategies.doc
- Bio4KidsEinstein.pdf
- Form A Compare and Contrast GO L1 FROG.pdf
- Form C Compare and Contrast GO L1 FROG IND PR.pdf
- Form D Exit Ticket Frog L1.pdf