Interdisciplinary Unit

Kindergarten Unit 6

2015-2016

Concept: DIVERSITY

Essential Question:

How do the differences between people and things make the world more beautiful?

Deepening Questions:

What do plants need to survive and grow?

Why are there so many different types of plants?

Why are plants so important to people?

How are people alike and different?

Why is showing respect to all individuals important?

What are children like around the world?

How do people from different culture celebrate?

How can you describe shapes?

What are the similarities and differences in two and three dimensional shapes?

How can I compare and contrast 2 and 3 dimensional shapes?

What shapes can we find in the environment?

Suggested Trade Book Resources:

The Curious Garden by Peter Brown (Lexile: 840, GR: M)

A Tree is a Plant by Clyde Bulla (Lexile: 290, GR: J)

How a Seed Grows (Let's-Read-and-Find-Out Science 1) by Helene J. Jordan (Lexile: 400, GR: I)

Flower Garden by Eve Bunting (GR: J)

Seed, Soil, Sun: Earth's Recipe for Food by Cris Peterson (Lexile: 1050, GR: L)

This Is the Way We Go to School World by Edith Baer (Lexile: 580. GR: L)

Little Red Riding Hood by Jerry Pinkney (Lexile: 840)

Lon Po Po: A Red-Riding Hood Story from China by Ed Young

Pretty Salma: A Little Red Riding Hood Story from Africa by Niki Daly

Red Riding Hood by James Marshall (Lexile: 670, GR: S)

The Wolf's Story: What Really Happened to Little Red Riding Hood by TOBY FORWARD (Lexile: 440)

Petite Rouge by Mike Artell (Lexile: 870)

Flossie and the Fox by Patricia McKissack (Lexile: 610, GR: 0)

Perfect Square by Michael Hall (Lexile: 470)

Mouse Shapes by Ellen Stoll Walsh (Lexile: 340)

Hook:

Apple Family II by Georgia O’Keefe

The painting shows several types of apples. Investigate (taste test involving several different types of apples) how all of the apples have a similar but slightly different taste. Relate this to how people are the same but different.

Section 1: Plants

Deepening questions:

What do plants need to survive and grow?

Why are there so many different types of plants?

Why are plants so important to people?

* + - Kindergarten plant unit resources (attachment)
* Living and Non-living things
  + - Sort objects such as flower, trees, table, book
* What Plants Need
  + Read The Curious Garden by Peter Brown
    - Video on what plants need: https://www.youtube.com/watch/?v=dUBIQ1fTRzI
* Plant Parts
  + - Eating plant parts and writing response: students sample each part (leaf=lettuce, root=carrot, etc.) (attachment) <http://learningwithmrsleeby.blogspot.com/2013/03/i-can-eat-whole-plant.html>
* How plants grow (seed, sprout, plant, flower/fruit)
  + - Read How a Seed Grows (Let's-Read-and-Find-Out Science 1) by Helene J. Jordan
  + Plant life cycle
    - Brainpop video: https://jr.brainpop.com/science/plants/plantlifecycle/preview.weml
    - Plant life cycle emergent reader (attachment)
    - Plant life cycle sequence (attachment)
  + Observing plant growth
    - Make a greenhouse (attachment)
    - Lima Bean observation log (attachment)
    - Happy Hairy (measuring grass seed growth): <http://rainbowswithinreach.blogspot.com.au/2013/04/springtime-science-with-seeds.html?_szp=447639>
    - Writing about plant growth (gardening) (attachment)
* PERFORMANCE TASK: Informative- How a seed grows (first, next, etc.) expository essay
* Different Types of Plants
  + - Read A Tree is a Plant by Clyde Bulla
  + Plant Identification (flowers, trees, fruits/vegetables)
    - Read Flower Garden by Eve Bunting
    - All Kinds of Plants-close reading passage (attachment)
* Plants We Use
  + - * Read Seed, Soil, Sun: Earth's Recipe for Food by Cris Peterson
    - How Trees Help close reading (attachment)
  + Eating Healthy (Note: If health is not taught in PE, briefly covering food groups and taking

Section 2: Diversity in People

\*Michigan: world cultures and diversity standard not found until 1st grade (cover this section if time allows)

Deepening Questions:

How are people alike and different?

Why is being different a good thing?

What does it mean to accept someone’s differences?

Why is showing respect to all individuals important?

How do people from different culture celebrate?

What are children like around the world?

How do people around the world celebrate?

* How people are the same/different
  + Introduction: skin color differences
    - Egg lesson: (brown egg, white egg) same on the inside: http://littlekinderwarriors.blogspot.com/2014/01/mlk-freebie.html
    - Example lessons: <http://www.thecurriculumcorner.com/thekindercorner/2014/08/21/diversity-differences-make-us-unique/#_a5y_p=2262675>
  + Different physical characteristics
  + What makes us unique (special)
  + Appreciating differences
    - Rainbow of Friends book (video on Youtube): <https://www.youtube.com/watch?v=EmjwPhqPX8E>
    - The Colors of Me rainbow
* Children like Me
  + - Kindergartners around the world project: <http://kindergartenaroundtheworld.blogspot.com/>
    - Learning about children around the world: This Is the Way We Go to School: A Book About Children Around the World by Edith Baer <http://www.amazon.com/This-Is-Way-We-School/dp/0590431625>
    - Reading Around the World: <http://angelstreetmom.com/?p=4599>. Learn about each country and students keep track on game board (map.)
    - Schools around the world (free online book) http://www.wegivebooks.org/books/school-days-around-the-world/reader
    - Countries around the world: ($28) <https://www.teacherspayteachers.com/Product/Country-Booklets-BUNDLE-885138>
* Families Around the World
  + - Book: World Around Us (Get Set for Kindergarten!)– July, 2001 Rosemary Wells <http://www.amazon.com/World-Around-Get-Set-Kindergarten/dp/0613357094>
    - Homes Around the World (free online book): http://www.wegivebooks.org/books/homes-around-the-world
    - Comparing: stories about two different families (attachment)
* Celebrations around the world
* PERFORMANCE TASK: Narrative- A Special Celebration. Students will write about a special celebration they participate in.
* Folklore from other cultures (Discuss traditions through holiday literature)
  + - Little Red Riding Hood
      * Little Red Riding Hood by Jerry Pinkney
      * Lon Po Po: A Red-Riding Hood Story from China by Ed Young
      * TPT unit $3: <https://www.teacherspayteachers.com/Product/Compare-and-Contrast-Lon-Po-Po-and-Little-Red-Riding-Hood-1787524>
      * Pretty Salma: A Little Red Riding Hood Story from Africa by Niki Daly

Section 3: All Different Versions (The Little Red Riding Hood)

\*This can be a continuation of The Three Little Red Riding Hood from different cultures. Students can continue exploring how different versions

* Red Riding Hood by James Marshall
* The Wolf's Story: What Really Happened to Little Red Riding Hood by TOBY FORWARD
* Petite Rouge by Mike Artell
* Flossie and the Fox by Patricia McKissack

Section 4: Geometry

States: all

(My Math chapters 10, 11, 12)

Deepening Questions:

How can you describe shapes?

What are the similarities and differences in two and three dimensional shapes?

How can I compare and contrast 2 and 3 dimensional shapes?

What shapes can we find in the environment?

* Position

My Math: Chapter 10

* + - Monster positional words (attachment)
    - Spring positional words (attachment)
  + Read Pete the Cat: The Wheels on the Bus by James Dean
    - Activities here: Pete the Cat: <http://kinderblossoms.blogspot.com/2013/09/positional-words-with-pete-cat-wheels.html>
  + Above/Below
  + In Front/Behind
  + Next to/Besides
* Two-Dimensional Shapes
  + - Tons of ideas here: <http://www.kindergartenkindergarten.com/shapes/>
    - http://www.prekinders.com/i-have-who-has-shapes-game/
  + Describing shapes (straight line, curved line)
  + Side, Vertex (sides, vertices)
    - Read Perfect Square by Michael Hal
  + Square, Rectangles, Circles, Triangles, Hexagons
    - Solid shapes powerpoint (attachment)
    - 2D shapes playdough activity (attachment)
    - 2D shape table (attachment)
  + Comparing/contrasting 2D shapes (similarities and differences)
  + Composition new shapes
    - Read Mouse Shapes by Ellen Stoll Walsh
    - Shape Builder: Can you fill this shape? (http://www.kindergartenkindergarten.com/)
    - Ways to make a hexagon: <http://www.kindergartensuperkids.com/2013/02/ways-to-make-hexagon.html>
* Three-Dimensional Shapes
  + cube, cylinder, sphere, cone
    - 2-dimensional vs. 3-dimensional (sort) attachment
  + Roll, slide, stack
    - Ideas for exploring: <http://www.kindergartenkindergarten.com/2012/03/this-is-a-fun-activity-that-really-encourages-kids-to-think-about-the-attributes-of-3-d-shapes-it-also-intergrates-scien.html>
    - 3D shape movement recording sheet (attachment)
    - https://www.youtube.com/watch?v=9PqZbOYakJk
    - Create a class graph (see here: https://www.youtube.com/watch?v=9PqZbOYakJk)
    - Roll, Slide, Stack worksheet (attachment)
  + Side, Vertex, Face (sides, vertices, faces)
  + Identifying 3D shapes
    - 3D shape sort (attachment)
  + Describing 3D shapes
    - 3D shape description writing pages (attachment)