Interdisciplinary Unit

First Grade Unit 3

Concept: Classifying

Essential Question: Why and how do we classify things?

Deepening Questions:

What is it like where I and other people live?

How can we describe where we live (city, county, state, nation, and continent)?

What are the different kinds of weather and how does it affect daily life?

How does the weather change though the seasons?

How can digits be used in different places to show bigger and smaller numbers?

How do different types of books tell stories in different ways?

How does knowing the genre (book category) help me find books I like?

Suggested Trade Book Resources:

Me on the Map by Joan Sweeney (Lexile: 280, GR: I)

Where Do I Live? By Neil Chesanow (GR: C)

Country Kid, City Kid by Julie Cummins

Cloudy with a Chance of Meatballs by Judi Barrett (Lexile: 730, GR: M)

Little Cloud by Eric Carle (Lexile: 390, GR: I)

Caps, Hats, Socks and Mittens: A Book about the Four Seasons (Lexile: 240, GR: I)

The Warlord’s Beads by Virginia Pilegard

Cam Jansen and the Lost Tooth by David Adler (GR: J)

First Flight by George Shea (Lexie: 460, GR: K)

The Legend of the Indian Paintbrush (Lexile: 840, GR: O)

Hook:

Mediterranean Landscape by Pablo Picasso

Explore the painting with students by having them point out things they notice in the following categories:

* What it is like where the painting shows (warm, etc.)
* Shapes that you see
* Warm colors vs. cool colors
* What might be opposite of what is shown in the painting

Section 1: Where People Live

States: all

Deepening Questions:

What is it like where I and other people live?

How can we describe where we live (city, county, state, nation, and continent)?

* Location
  + - Me on the Map activities: see below)
  + Personal direction (right/left, front/back) (specifically in Michigan standards)
  + Absolute Locations (home address, school address) vs. relative location (up/down, near/far)
    - Know home address
  + Map Skills
    - Reading a simple map
      * State map with star as capital
      * How to draw a Map close reading passage (readworks.org) (attachment)
      * United States map and showing borders
    - Make a treasure map: <http://www.ehow.com/how_7929263_create-map-light-markers-candle.html>
  + Cardinal Directions (north, south, east, west)
    - Missouri-Compass Rose
  + Create a map
    - Classroom map
      * Mapping the classroom activity: http://gradeonereadingcorner.blogspot.ca/2013/05/mapping-classroom.html
      * Classroom map activity (attachment)
    - School Map
      * A School Map text close reading activity (readworks.org) (attachment)
* Land and Water (basic earth features) \*Note: Land features (valley, plain hill, etc.) and water features (river, ocean) will be covered in Unit 5.
  + Maps and Globes
    - *The Difference Between Maps and Globes* close reading passage (readworks.org) (attachment)
    - Paired texts about maps and globes and 7 continents with comprehension questions <http://www.readworks.org/passages/difference-between-maps-and-globes>
  + Physical Features (human vs. natural): covered again in Unit 5
  + Water/Land on maps
    - Indiana: also find cities and roads on a map
    - *We Use a United States Map* close reading passage (readworks.org) (attachment)
  + 7 continents and 4 Oceans
    - Copycat smartboard game to learn 7 continents: <http://kids.nationalgeographic.com/kids/games/geographygames/copycat/>
    - Video/Song on 7 continents: <https://www.youtube.com/watch?v=apIzM6rywf0&feature=related>
    - Label map with names of 7 continents and 4 Oceans (attachment
  + 4 Oceans
* School, city, state, country, continent
  + - Read *Me on the Map* by Joan Sweeney
    - Make “Me on the Map” book: <http://www.fantasticfirstgradefroggies.com/2013/04/me-on-map.html>
    - Me on the Map circles graphic organizer: (attachment) <http://finallyinfirst.blogspot.com/2011/02/me-on-map.html>
    - Me on the Map book (attachment)
* People and Places (Kinds of neighborhoods)
  + City, town, farm-urban, suburban, rural
    - Introduce vocabulary of “urban, rural, suburban”
    - Graphic organizer (attachment)
    - Urban, rural suburban flipbooks: <http://keepingupwithclass.blogspot.com/2011/09/urban-rural-suburban-flipbooks.html>
    - Urban, rural, suburban powerpoint game (attachment)
    - Triple Venn diagram
  + Shelter and transportation
    - Kinds of shelter in our state/region
    - *Building a Railroad* close reading passage (readworks.org) (attachment)
  + PERFORMANCE TASK: Persuasive writing: “Where would you like to live (city, town, or farm) and why?”
* People and Resources
  + Study George Washington Carver

Section 2: What’s the Weather?

States: Michigan, Missouri, Ohio, Illinois, Wisconsin (NOT: Minnesota, Indiana)

Deepening Questions:

What are the different kinds of weather and how does it affect daily life?

How does the weather change though the seasons?

* A Closer Look Unit D Chapter 7
* Example 1st Grade weather unit: http://thefirstgradeparade.blogspot.com/2010/10/whats-weather.html
* Weather All Around Us
  + Different weather conditions
    - Kinds of Weather
      * Write about the weather (attachment)
    - Types of Precipitation
    - Rain, snow, sun, windy
      * Graphing different kinds of weather (attachment)
      * Weather watcher project: create a daily journal of weather (attachment)
    - Weather vs. temperature
    - Severe Weather
      * Spinning Storms close reading passage (readworks.org) (attachment)
  + Ways to measure weather
    - Using thermometer
      * Online practice: <http://www.ixl.com/math/grade-1/read-a-thermometer>
      * Reading a thermometer worksheet (attachment)
    - Other tools (rain gauge, wind vane)
  + Predicting the weather
    - * Read *Cloudy with a Chance of Meatballs* by Judi Barrett
      * Make a classbook about predicting weather (attachment)
* The Water Cycle (brief overview)
  + Evaporation and clouds
    - * Diagram of water cycle (attachment)
  + Different types of clouds
    - * Read *Little Cloud* by Eric Carle
* Four Season
  + Spring/Summer and Fall/Winter
    - * Read *Caps, Hats, Socks, and Mittens* by Louise Borden
      * Compare and contrast two different seasons
* PERFORMANCE TASK: “The best season of the year is….”

Geometry is now in Unit 6

Section 3: Place Value

States: all

Deepening Question:

How can digits be used in different places to show bigger and smaller numbers?

Use My Math Chapter 5 on Place Value

* Numbers 11 to 19
* Tens
  + - Math in the Path (attachment)
* Count by Tens Using Dimes
  + - Video on counting by 10’s using dimes: https://www.youtube.com/watch?v=glGTuowt2Ko
* Tens and Some More
  + - How Many Free tickets can you get? (attachment)
* Tens and Ones
* Make a table (Problems Solving)
* Numbers to 100
  + - What’s Your Number Game (attachment)
    - I’m thinking of a number game (attachment)
  + \*Numbers in different forms (fourteen=1 ten, 4 ones=10+4)
  + Expanded notation
    - Fish habitat base 10 (attachment)
    - Place value power daily sheet (attachment)
* Ten More, Ten Less
* Count by Five Using Nickels
  + - Counting nickels worksheet (attachment)
* Use Models to Compare Numbers

Section 3: Types of Stories (Genres)

States: all

Deepening Questions:

How do different types of books tell stories in different ways?

How does knowing the genre (book category) help me find books I like?

* Review what was already covered relating fiction vs. non-fiction in Unit 2
* Define “fiction”
* Read books from each category of fiction. Make a small set of posters that talk about the features of each kind of fiction. (<http://hippohoorayforsecondgrade.blogspot.com/2012/10/fiction-frenzy.html>)
* Types of Fiction
  + Realistic fiction
    - Realistic fiction activity pack (attachment)
  + Fantasy
  + Historical Fiction
    - *First Flight*
  + Humorous fiction
    - *The Monster in the Backpack*
  + Mystery
    - *Cam Jansen and the Lost Tooth*
  + Folklore
    - *The Legend of the Indian Paintbrush* by Tomie DePaolo
  + Poems
* Retelling stories

Section 4: Types of words (nouns, verbs, adjectives)