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| **KDG Earth Science Dates: January 29-March 29**  **Chapter 3: Earth and Sky K-PS3-1** | | | | | | |
| **Big Question** | **# days (60 min block)** | **Lessons** | **I will know. . .** | **Vocabulary** | **Inquiry Activities** | **Performance Expectation/NGSS** |
| **What are Earth and sky like? Is it night or day?**  **Reading Skill:**  Drawing conclusions  Graphic organizer blackline masters are online.  *See differentiated instruction for extra support/ELL strategies for each lesson.*  **Assessments:**  **Teachers Choice**  Interactive Activities 5pts  Planet Diaries 5pts  Explore it 5pts  Writing Responses 5pts  Graphic organizers 5pts  Lesson Quiz 6 pts  **Required**  Chapter Lab investigate it! 10 or 20 pts  Performance Activity 10 pts  Chapter Assessment 10 pts  STEM or Math Optional | 2 days | 1/29-1/31 (2days)  Chapter Opener  Is it night or day?  Intro What are Earth and sky like? SE41  How does weather change? TE80 (record the weather for 1 month)  Untamed Science Video | *K-PS3-1*  *K-PS3-2* | Weather, Earth, sky, clear, cloudy  Partly cloudy, rainy, snowy,  Windy, foggy  Calendar  month | 2/1-2/2  Try It!  Draw conclusions TE81/SE43/44  STEM—look at weather forecast/NEED SUNNY DAY  Modify according to weather  Cool Down TE82-85/Se44-53  Make a sandbox | You will learn about the Earth and sky. You will discuss where the sun is in the sky at different times of day. You will identify objects that you can see in the sky during the day. You will learn the weather changes from day to day and you will learn how we use rocks, soil and water and how recycling helps the environment.  Use observations to communicate solutions that will reduce the impact of humans on the land, water, air and/or other living things in the local environment. |
| 1 day | 2/5-2/7  Lesson 1 What can you see in the day sky?  TE86-87/SE54 | *I will know when the sun, clouds and moon can be seen in the sky.* | Sun, day, clouds, moon, objects, sky | Activity SE54 |
| 1 day | 2/8-2/9  Lesson 2 How does the sun seem to move?  TE88/SE55 | *I will know where the sun seems to in in the sky at different times of the day.* | Morning, noon, evening, sun, sky  Low, high, move, | What makes objects move?  Graphic Organizer |
| 1 day | 2/12-2/14  Lesson 3 What do you get from the sun? TE90-91/SE56  TE 52-53/SE35 | *I will know that the sun gives us light and can make us warm.* | Sun, shine, Earth, light, plants, grow,  Warm, land, water, air, living things  Heat, indoor, outdoor | Graphic Organizer |
| 1 day | 3/12-3/14  Lesson 4 What are some kinds of weather?  TE 92-93/SE 57 | *I will know ways to describe and record weather.* | Calendar, cloudy, windy, sunny, rainy  Snowy, weather, today | SE57 S will color and label  See bottom of SE p. 57  Home/Writing activity |
| 1 day | 3/15-3/16  Lesson 5 How can we use rocks, soil, and water?  TE 94-95/SE 58 | *I will know that there are many ways to use rocks, soil, and water.* | Rocks, build, soil, water, houses,  Walls, roads, plants, food, drink, wash, cook, clean |  |
| 1 day | 3/19-3/21  Lesson 6 What is recycling?  TE 96-99/SE 59  3/22-3/23  EARTH DAY supplemental activities to integrate with social studies coming up for April | *I will know how to save materials by recycling them.* | Recycle, throw, Earth, objects (items) reuse, save, paper, plastic, metal, new, thermometer, temperature, up and down, big world, my world  Country, severe, scientist | Investigate it TE98/SE60  How can the sun make temperature changes?  BIG WORLD/MY WORLD TE99/SE61 |  |
| 4 days | 3/26-3/29  Chapter Wrap-Up  1.assessment TE 104-105 (8 points)  2.performance task TE107  Write about the sky/read It Looked Like  Spilt Milk/ challenge with different types of clouds  USE RUBRIC TO GRADE TE107  3. Experiment TE 102-103  3.experiment STEM TE 120 |  |  | Investigate It! TE60/SE39  How do some turtles stay warm in winter?  Biography SE40  Activity card TE64  STEM Where the wind blows.  TE 120-123/SE 65-74  (cold, draft, windows, doors, windsock, tool) |  |

**Kindergarten: The Nature of Science: WHAT IS SCIENCE? (5/7-5/18)**

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| 5/7 | TE 116-119  Overview What is Science?  TE 132-33 | I will learn that people ask questions/try to find answers/use tools and rules and share what you find out about the objects around you | Observe, measure,  Write, draw,  Look problem | TE116-1119  SE 62,63,79 |
| 5/9 | Activity Card  TE140-41  SE81 | I will know that using tools and following rules will keep me safe in science class | Hand lens, goggles, protects |  |
| 5/10 | STEM  How Can you Solve Problems  TE 152-3 | I will learn about solving problems, test a solution and share it with others | Problem  Plan  Draw  Materials  Test  build | TE156-159  SE 86-95 |
| 5/11 | STEM  How Can you Solve Problems  TE 152-3 | I will learn about solving problems, test a solution and share it with others | Problem  Plan  Draw  Materials  Test  build | TE156-159  SE 86-95 |
| 5/14 | What problem can you solve?  TE 160-6167 | I will know that you can design things to solve problems | Spill, problem,  solution |  |
| 5/16 | Investigate it How Can you lift heavy things? | T 166-167 | Simple machine  Inclined plane  Pull  push | I will test different ways of moving objects and discuss what I observed |
| 5/17 | Investigate it How Can you lift heavy things? | T166-167 | Simple machine  Inclined plane  Pull  push | I will test different ways of moving objects and discuss what I observed |
| 5/18 | Activity Card  How Can You Move Other Objects Up? | TE 170-171 | Heavy, objects  Up, down | I will show different ways of moving the pinto bean up |

FLEX WEEK 5/21: wrap up/use supplemental Scholastic/Wonders as needed