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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 conclusionsGraphic organizer blackline masters are online.*See differentiated instruction for extra support/ELL strategies for each lesson.***Assessments:****Teachers Choice**Interactive Activities 5ptsPlanet Diaries 5ptsExplore it 5ptsWriting Responses 5ptsGraphic organizers 5ptsLesson Quiz 6 pts**Required**Chapter Lab investigate it! 10 or 20 ptsPerformance Activity 10 pts Chapter Assessment 10 ptsSTEM or Math Optional | 2 days | 1/29-1/31 (2days)Chapter OpenerIs it night or day?Intro What are Earth and sky like? SE41How does weather change? TE80 (record the weather for 1 month) Untamed Science Video | *K-PS3-1**K-PS3-2* | Weather, Earth, sky, clear, cloudyPartly cloudy, rainy, snowy, Windy, foggyCalendarmonth | 2/1-2/2Try It!Draw conclusions TE81/SE43/44STEM—look at weather forecast/NEED SUNNY DAY Modify according to weatherCool Down TE82-85/Se44-53Make 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 | 2/5-2/7Lesson 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 | 2/8-2/9Lesson 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, skyLow, high, move,  | What makes objects move?Graphic Organizer |
| 1 day | 2/12-2/14Lesson 3 What do you get from the sun? TE90-91/SE56TE 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 thingsHeat, indoor, outdoor | Graphic Organizer |
| 1 day | 3/12-3/14Lesson 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, rainySnowy, weather, today | SE57 S will color and labelSee bottom of SE p. 57Home/Writing activity |
| 1 day | 3/15-3/16Lesson 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 | 3/19-3/21Lesson 6 What is recycling? TE 96-99/SE 593/22-3/23EARTH 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 worldCountry, severe, scientist | Investigate it TE98/SE60How can the sun make temperature changes?BIG WORLD/MY WORLD TE99/SE61 |  |
| 4 days | 3/26-3/29Chapter Wrap-Up1.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 cloudsUSE RUBRIC TO GRADE TE1073. Experiment TE 102-1033.experiment STEM TE 120 |  |  | Investigate It! TE60/SE39How do some turtles stay warm in winter?Biography SE40Activity card TE64STEM 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 116-119Overview 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 | TE116-1119SE 62,63,79 |
| 5/9 | Activity CardTE140-41SE81 | I will know that using tools and following rules will keep me safe in science class | Hand lens, goggles, protects |  |
| 5/10 | STEMHow Can you Solve ProblemsTE 152-3 | I will learn about solving problems, test a solution and share it with others | ProblemPlanDrawMaterialsTestbuild | TE156-159SE 86-95 |
| 5/11 | STEMHow Can you Solve ProblemsTE 152-3 | I will learn about solving problems, test a solution and share it with others | ProblemPlanDrawMaterialsTestbuild | TE156-159SE 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 machineInclined planePullpush | 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 machineInclined planePullpush | I will test different ways of moving objects and discuss what I observed |
| 5/18 | Activity CardHow Can You Move Other Objects Up? | TE 170-171 | Heavy, objectsUp, down | I will show different ways of moving the pinto bean up |

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