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| Diocese of Wheeling-Charleston |
| Unit Planner |
| Name of Teacher: Victoria Sikora | Grade Level: 5th  |
| Subject Area: Science | Cross Curricular Opportunities: English Language Arts, Math, Social Studies  |
| Unit Title: All About Weather | Estimated Duration of Unit: 2 weeks |
| Overview of Unit: Project on weather and climate conditions, using informational text and approved websites students will create presentations along with facts that depict how they will be able to help their community during extreme weather conditions; a 2-5 minute speech will be given. |
| Forms of Text (nonfiction/fiction): Nonfiction informational text, Fiction texts | Teaching Strategies: Whole group, teacher lead, individual, small group, interactive websites, Smart-board, See Think Wonder (S.T.W), Guest Speaker |
| Catholic Identity Connections: Helping the elderly during times of extreme weather. |
| Assessment (authentic/published – summative/formative): Rubric, observations |
| **Unit** |
| Description | Standards | Resources | Time Frame |
| I will introduce to the students pictures of weather (S.T.W). We will discuss different types of weather. We will make a weather graph and graph the weather we are having today. I will show the students the National Weather Service website to help gather vital information. We will be starting a weather booklet starting with our weather and climate vocabulary. | SS.5.G.5 [CCSS.Math.Content.5.MD.A.1](http://www.corestandards.org/Math/Content/5/MD/)[CCSS.Math.Content.5.MD.B.2](http://www.corestandards.org/Math/Content/5/MD/)[CCSS.ELA-Literacy.RI.5.1](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.2](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.3](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.6](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.7](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.8](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.9](http://www.corestandards.org/ELA-Literacy/RI/5/) | <http://urbanext.illinois.edu/treehouse/introduction.cfm?section=seasons><http://www.kidsgeo.com/geography-for-kids/0017B-reasons-for-the-four-seasons.php><http://astro.unl.edu/naap/motion1/animations/seasons_ecliptic.html><http://www.get2knowh2o.org/student/cycle-test.html>[www.nws.org](http://www.nws.org/)  | 1 Day |
| We will discuss weather and look at pictures of stormy weather (S.T.W). We will graph out weather today. During center time they will be discussing times where they had been apart of stormy weather. Next, in their weather booklet they will add a new vocabulary term. Also, they will be participating in interactive web weather and climate games. Read “What’s the Weather?” during reading time. | [CCSS.ELA-Literacy.RI.5.4](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.5](http://www.corestandards.org/ELA-Literacy/RI/5/)SS.5.G.7  | <http://studyjams.scholastic.com/studyjams/jams/science/weather-and-climate/weather-and-climate.htm>  Read: “What’s the Weather?”Watch clip of a weather balloon launch. <https://www.youtube.com/watch?v=kAhaIDNVyC0>  | 1 Day |
| We will discuss weather and look at pictures of rainy weather (S.T.W). We will graph what the weather is like today. Next, in their weather booklet they will add a new vocabulary term. Also, they will be participating in interactive web weather and climate games. During math we will play a raindrop fraction game.  | [CCSS.ELA-Literacy.RI.5.4](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.5](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.1](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.Math.Content.5.MD.A.1](http://www.corestandards.org/Math/Content/5/MD/)[CCSS.Math.Content.5.MD.B.2](http://www.corestandards.org/Math/Content/5/MD/)SS.5.G.8 SS.5.G.9  | Informational text, worksheet with questions about weather, websites mentioned on Day 1 | 1 Day |
| We will discuss weather and look at pictures of cloudy weather (S.T.W). We will graph the weather for today. During center time we will make a picture of the different types of clouds. Each group will have to look up information about the type of cloud they have chosen and present it to the class. Next, in their weather booklet they will add a new vocabulary term. During reading time we will read “The Clouds are Passing By.” | [CCSS.Math.Content.5.MD.A.1](http://www.corestandards.org/Math/Content/5/MD/)[CCSS.ELA-Literacy.RI.5.8](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.9](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.6](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.7](http://www.corestandards.org/ELA-Literacy/RI/5/)SS.5.G.8 SS.5.G.9  | Construction paper, glue, markers, cotton balls, crayons, laptops to type facts Informational text, cloud chart, weather websites mentioned on Day 1Read “The Clouds are Passing By.” | 3 Days  |
| We will discuss snowy weather and look at pictures (S.T.W). We will graph our weather and look at the weather map. During center time we will make a picture of snowy weather. During math we will chart names using snow balls and graph/compare the number of letters in names. | [CCSS.Math.Content.5.MD.A.1](http://www.corestandards.org/Math/Content/5/MD/)[CCSS.Math.Content.5.MD.B.2](http://www.corestandards.org/Math/Content/5/MD/)[CCSS.ELA-Literacy.RI.5.3](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.6](http://www.corestandards.org/ELA-Literacy/RI/5/)SS.5.G.8 SS.5.G.9  | Construction paper, scissors, glue, pencils, graphing paperweather websites mentioned on Day 1 | 1 day |
|  We will talk about weather and look at pictures of hurricanes/tornadoes(S.T.W). We will graph our weather and look at the interactive weather map. We will finish up our weather booklets. During story time we will read, “The Magic School Bus: Inside a Hurricane.”the students will watch Bill Nye the Science Guy video. We will also be making tornadoes in a bottle.  | [CCSS.Math.Content.5.MD.B.2](http://www.corestandards.org/Math/Content/5/MD/)[CCSS.ELA-Literacy.RI.5.4](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.5](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.1](http://www.corestandards.org/ELA-Literacy/RI/5/)SS.5.G.8 SS.5.G.9  | Two 16 oz/ 24oz. Bottles, washers, water, glitter, electrical tape, “Storms” video, weather websites mentioned on Day 1“The Magic School Bus: Inside a Hurricane.”National Geographic video“Hurricane 101”<https://www.youtube.com/watch?v=zP4rgvu4xDE>  | 2 days |
| We will discuss our weather today and what we have learned about weather. We will graph today’s weather. We will discuss what a meteorologist is. Tell students that we will have a meteorologist to come visit our class and talk about his job.  | [CCSS.ELA-Literacy.RI.5.4](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.5](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.1](http://www.corestandards.org/ELA-Literacy/RI/5/)SS.5.G.8 SS.5.G.9  | Guest speaker, discussions | 1 day |
| We will finish up the weather booklets. The students will do presentations on how they could help out the community during these sometimes extreme weather conditions. | [CCSS.ELA-Literacy.RI.5.1](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.2](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.3](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.6](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.7](http://www.corestandards.org/ELA-Literacy/RI/5/)[CCSS.ELA-Literacy.RI.5.8](http://www.corestandards.org/ELA-Literacy/RI/5/)SS.5.G.5 SS.5.G.8 SS.5.G.9  | Paper, pencils, computer lab, poster paper, informational texts, weather websites mentioned on Day 1Explore how to prep for a natural disaster using this website.<https://www.ready.gov/natural-disasters>  | 4 days |
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