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| Diocese of Wheeling-Charleston | | | | |
| Unit Planner | | | | |
| Name of Teacher: Robin Altenburg | | | Grade Level: Pre-K 4 | |
| Subject Area: Math | | | Cross Curricular Opportunities: Yes | |
| Unit Title: Shapes | | | Estimated Duration of Unit: 3 weeks | |
| Overview of Unit: students will learn to notice the shapes of things that we see and use in everyday life. | | | | |
| Forms of Text (non fiction/fiction): fiction and non-fiction | | | Teaching Strategies: direct instruction, small groups, and large groups | |
| Catholic Identity Connections: About how God uses shapes for many of the things that he has made for us. | | | | |
| Assessment (authentic/published - summative/formative): summative/published | | | | |
| Standard Number | Standards | Description of Activity | Resources | Date of Completion |
| PK.M.2a | To recognize different shapes | Shape Game  I will cut shapes out of construction paper like a circle, square, triangle, rectangle, and diamond. I will read a poem that goes to the tune of “If You’re Happy and You Know It”. It goes like this: If you’re holding a square, stand up. If you’re holding a square, stand up. If there’s a square in your hand, then it’s time for you to stand. If you’re holding a square, stand up. I will pass out the shapes and the students will have to listen to the words and follow the instructions. Shape recognition  Large Group | Shape poem  Multiple shape cutouts | 1 day |
| PK.M.3a | Students will use the shapes in multiple ways to construct | The students will be given wooden shape blocks. They will be asked to make shape creatures using the blocks. The shapes are triangles, squares, circles, rectangles, and octagons. After they make their shape creatures I will take a picture of it. The next day I will make a slideshow of the pictures of their creations on the projector. We will talk about what shapes they used to make their creature.  Large Group | Wooden shapes  Computer  projector | 2 days |
| PK.M.2a | Students will recognize different shapes | We will practice saying our shape poems. I will show them a picture of a shape and to name it. We will then recite the poem that goes along with it. For example: Ricky rectangle is my name. My four sides are not the same, Two are short and two are long count my sides come along. 1-2-3-4  Large Group | Shape poems | 3days |
|  |  | After practicing our shapes poems for a few days, we will make a video of the students reciting the shape poems and they can watch themselves.  Large Group | Computer  Projector  Ipad | 1 day |
| PK.M.3a  PKE3a.4 | Discuss and describe what shape the foods are that they are eating | Students will gather with kindergarten, 1st and 2nd grade at the end of the unit. They will have foods in different shapes. Triangle pizza slices, square cheese cubes and crackers, round cookies, and rectangular shaped juice boxes. They will eat with the older students and will have the opportunity to discuss the different shapes that are eating. | Foods in different shapes | 1 day |
| PK.M.3a | Use words to describe what shape the foods are on their plates | We will be making Thanksgiving shape plates. Students will cut out 5 different food items that typically appear on a Thanksgiving dinner plate. Circle for mashed potatoes, square piece of bread, triangle piece of pie, rectangle for an ear of corn, and a turkey leg made using an oval, rectangle and a heart. The students had to color the pictures of the foods before they cut them out and glued them on their dinner plates. | Paper plate, cut out foods  Scissors, glue, crayons | 2 days |
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| Differentiated Instruction Opportunities/Overview: scaffolding, , games, discussions and listening in a group | | | | |
| Cross Curricular Opportunities level: | | | | |
| Standard Number | Standards | Description of Activity | Resources | Date |
| PK.m.2b | Recognize shapes  Taking turns | Students will play shapes BINGO. They will learn to recognize shapes and also colors. Learning to play games  Small groups of 4 and 5 | Bingo cards with different colored shapes on them | 1day |
| R.K  PKE3a.4 | Students will have the opportunity to share ideas in a discussion | As we approach Thanksgiving we will look at the shapes of foods that are on our Thanksgiving dinner plates as we reflect on the things that we are Thankful to God for on Thanksgiving. Students will have an opportunity to talk about the things that they are thankful for in their families.  Will write down some of the things they tell the class. |  | 1 day |
| PK.m.2b  PKE3a.5 | Recognize shapes | Students will partner with students in a higher grade to locate shapes around the school. Students will be given a clipboard with shapes drawn on it and look for things around the school that are the same shape. They will then mark off the shape they found. | Older students  Clipboards  Pictures of shapes  pencils | 1 day |
| R.K | Students will find that God created our world and shares it with us | Students will walk to the church and look around the church to find what different shapes they can find. I will record the different things they find by taking a picture with the ipad. We will look at the pictures when we get back to the classroom in small groups. | ipad for pictures | 1 day |
| **Common Core Checklist** | | | | |
| Writing | | | | |
|  | Paragraph | | | |
|  | Essay (narratives, fairy tales, realistic fiction) | | | |
|  | Summary | | | |
|  | Research | | | |
|  | Detailed answers (text supported) | | | |
|  | Notes (note taking skills, outlines) | | | |
|  | Complete sentences | | | |
| Reading | | | | |
|  | Informational text | | | |
|  | Lexile | | | |
|  | Complex literature |  |  |  |
| X | Speaking | | | |
| X | Listening | | | |
| X | Varied strategies and instructional methods | | | |
| X | Critical thinking in whole class discussion | | | |
|  | Student led activities | | | |
|  | common core standards (literature circles) | | | |
| Technology | | | | |
|  | Smartboard | | | |
| X | Computers | | | |
| X | iPads | | | |
|  | Powerpoint, Elmo etc. | | | |
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| X | Used multiple resources | | | |
| X | Domain Vocabulary | | | |
| X | Cross-Curricular | | | |
| X | Collaborative engagement (meaningful feedback) | | | |
|  | Higher level learning and teaching | | | |
| Assessment | | | | |
| X | Project based | | | |
|  | Writing prompt | | | |
| X | Portfolio | | | |
| X | Observation | | | |
|  | Quiz | | | |
|  | Technology based | | | |
|  | Test | | | |
|  | Student created test | | | |
| X | Presentation | | | |
|  | Journal | | | |
|  | Think, pair, share | | | |
| X | Summary | | | |
| X | Oral questioning | | | |
|  | Analogy | | | |
|  | Powerpoint, or movie maker | | | |
| Authenticity | | | | |
| X | Various activities | | | |
|  | Inquiry, research and evidence | | | |
|  | Evidence of time management and planning | | | |
|  | Problem solving strategies | | | |
| Reflection of Unit: | | | | |
| This unit was a lot of fun. I have never done a whole unit on shapes. I realized there are many ways to teach about shapes by using the environment, materials in the classroom, songs, poems, and through games. The students loved the activities as well. I believe it made the students realize that they could go out and recognize that there are shapes everywhere around us. I was able to teach about shapes by not using worksheets or flashcards. A big part of our discussions about the shapes of things God gave us encouraged the students to look further into finding shapes of things that God made on their own. My favorite activity was the Thanksgiving shapes plate the students made. | | | | |
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