



UNIT GRAPHIC ORGANIZER

SUBJECT: MATH

UNIT: 4

COURSE: 4<sup>th</sup>

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LINE PLOTS, UNITS OF MASS AND CAPACITY, CLASSIFYING TRIANGLES AND COORDINATE PLANE

THROUGHLINES:

1. What is a line plot for?
2. When I use units of mass?
3. How can I measure the units of capacity?
4. Are there different kind of triangles?
5. What is the Cartesian plane?

GENERATIVE TOPIC



UNDERSTANDING GOALS:

The student will understand how to plot and name ordered pairs on the coordinate plane to resolve real problems situations.	The student will comprehend how to convert customary unit of capacity through real problem situations.	The student will understand how to convert metric units of mass in daily situations.	The student will comprehend how to interpret coordinate graph in a real context.	The student will understand and use the attributes of triangles through problem solving.
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	UNDERSTANDING PERFORMANCES	TIME	ASSESSMENT	
	ACTIONS		WAYS	CRITERIA
<b>Exploration Stage</b>	<ul style="list-style-type: none"> <li>To collect data by a survey.</li> <li>To show a line plot about the weather and earthquake.</li> <li>To show different measurement of capacity (we use the containers: ounces, cups, pints, liters gallon)</li> <li>To use a weighing scales to compare the units of mass.</li> <li>To plot and name an image like an example.</li> <li>To use polistaws plastic to make different shapes.</li> <li>To use polistraws plastic to differentiate the angles of each triangle.</li> </ul>	<b>2 weeks</b>	<ul style="list-style-type: none"> <li>Making a survey to collect the data.</li> <li>Using poliplastic to practice and remember the angles.</li> <li>Learning to use the protactor to make a scalene triangle, equilateral triangle and isosceles triangle.</li> <li>Drawing on a Millimetrical paper the acute, right and obtuse angle using the protactor.</li> <li>Working on the Books, guide and notebook.</li> <li>Looking the difference units of capacity using Plastic containers</li> <li>Doing the comparison of units of mass with weighing scales</li> </ul>	<ul style="list-style-type: none"> <li>Analyses, proposes and solve problems from daily and real situations.</li> <li>Using the appropriate material for the activities</li> <li>Develop exercises</li> </ul>
<b>Guided Stage</b>	<ul style="list-style-type: none"> <li>To write and organize the data 's survey.</li> <li>To collect the data in a line plot.</li> <li>To solve problems involving measurement capacity conventions.</li> <li>To solve a real problem situations using units of mass.</li> <li>To create a video game using coordinate plane.</li> <li>To draw using the protactor the triangles and identify its angles.</li> </ul>	<b>4 weeks</b>	<ul style="list-style-type: none"> <li>Using the manipulative material to make a scalene triangle, equilateral triangle and isosceles triangle.</li> <li>Using superpolistraws to make the difference between acute, obtuse and acute angle.</li> <li>Using the protactor to draw the acute, obtuse and acute angle.</li> <li>Working on the Guide, book, and notebook.</li> <li>Solving problems from the Sadlier book.</li> </ul>	<ul style="list-style-type: none"> <li>Arguing the result of the exercises.</li> <li>Using the appropriate material for the activities.</li> </ul>

<p><b>Learning Evidence</b></p>	<p>The students are going to create a video game using the coordinate graph. According to the previous knowledge they are going to make commands using the coordinate plane. They have to name and plot points on a coordinate plane.</p>	<p><b>1 weeks</b></p>	<p><b>Week 1:</b> In the guide they are going to find an exercise about the coordinate plane taken from the Sadlier book.  <b>Week 2:</b> The students are going to name the video game and draw the objects that are going to be in the game  <b>Week3:</b> The students are going to create a map to display locations and used to calculate distance.  <b>Week 4:</b> The students will finish the map using commands in the coordinate plane.  <b>Week5:</b> The students are going to use a millimetrical paper to complete the end game.  <b>Week6:</b> The students are going to use a millimetrical paper to complete the end game.  <b>week 7:</b> Present the end game!</p>	<ul style="list-style-type: none"> <li>• Use the appropriate vocabulary.</li> <li>• Arguing the result of the exercises</li> </ul>
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