



## BJU Press - 5th Grade - Math - Quarter 4 Map

Week	Lessons	Project/Activity	Submit	Objectives
1	145-149	Lesson 149 STEM project day 2		<b>Students will be able to:</b> <ol style="list-style-type: none"><li>1. Use cubes to picture the volume of a 3-dimensional figure</li><li>2. Use a formula to determine volume</li><li>3. Explain how the perimeter area and volume are related</li><li>4. Solve a geometry word problem and interpret the solution</li><li>5. Use a formula to determine volume</li><li>6. Identify the problem that needs to be solved</li><li>7. Define the terms "prosthesis" and "prosthetic device"</li><li>8. Design a building brick prosthesis</li><li>9. Use materials to build a prosthesis</li><li>10. Test the prosthesis</li><li>11. Identify x, y, and z axes on a 3-D coordinate graph</li><li>12. Use 3-D coordinates to describe the building bricks in an object</li><li>13. Model with math to solve a problem</li></ol>
2	150-153		Chapter 14 test	<b>Review and test</b> <b>Students will be able to:</b> <ol style="list-style-type: none"><li>1. Explain why it is important for Christians to be involved in the work of meteorology</li><li>2. Identify millimeter, centimeter, meter, and kilometer as measuring units for length</li><li>3. Identify 100cm as 1m and 1000mm as 1m</li><li>4. Draw a line to the nearest centimeter or millimeter</li><li>5. State that 1000m equals 1 km</li><li>6. Determine the appropriate linear unit</li></ol>

				<ul style="list-style-type: none"> <li>7. Convert meters to centimeters and centimeters to meters</li> <li>8. Convert meters to millimeters and millimeters to meters</li> <li>9. Convert meters to kilometers and kilometers to meters</li> <li>10. Convert centimeters to millimeters and millimeters to centimeters</li> <li>11. Use &gt; &lt; and = to compare linear measurements</li> </ul>
3	154-157			<p><b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>1. Identify the liter and milliliter as measuring units for capacity</li> <li>2. Convert milliliters to liters and liters to milliliters</li> <li>3. Identify the gram, kilogram, and milligram as measuring units for mass</li> <li>4. Convert milligrams and kilograms to grams and grams to milligrams and kilograms</li> <li>5. Use &gt; &lt; and = to compare metric measurements</li> <li>6. Identify degrees as a measuring unit for temperature</li> <li>7. Identify standard Celsius temperatures</li> <li>8. Determine the temperature 10 degrees warmer or 10 degrees colder</li> <li>9. Determine the amount of temperature increase or decrease</li> <li>10. Determine the more reasonable temperature</li> <li>11. Apply knowledge of metric measurements to serve others</li> <li>12. Add metric measurements with and without decimal form</li> <li>13. Subtract metric measurements with and without decimal form</li> <li>14. Solve a measurement word problem and interpret the solution</li> </ul>
4	158-161		Chapter 15 test	<p><b>Review and Test</b></p> <p><b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>1. Write ratios in word form, ratio form, and fraction form</li> <li>2. Write ratios to describe part-to-part, part-to-whole, and whole-to-part comparisons</li> <li>3. Solve problems with ratios</li> <li>4. Evaluate the claim that efficient patterns in nature developed over millions of years</li> <li>5. Write ratios to describe comparisons</li> <li>6. Write equivalent ratios</li> <li>7. Make equivalent ratios by multiplying and dividing</li> <li>8. Interpret and model a scale drawing and a diagram</li> </ul>

5	162-165			<p><b>Students will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define "rate"</li> <li>2. Use ratios to represent real-life situations</li> <li>3. Make equivalent ratios to determine the unit rate</li> <li>4. Calculate the distance traveled for a given rate and time</li> <li>5. Define "percent"</li> <li>6. Write a percent as a ratio with 100 as the second term</li> <li>7. Write a percent as a ratio in lowest terms</li> <li>8. Write a ratio as a percent Use a ratio to solve a percent problem</li> <li>9. Write a percent as a decimal</li> <li>10. Write a fraction as a percent</li> <li>11. Write a decimal as a percent</li> <li>12. Use <math>&gt;</math> <math>&lt;</math> or <math>=</math> to compare percents to decimals and fractions</li> <li>13. Solve a percent word problem</li> <li>14. Use a proportion to find the percent of a number</li> <li>15. Solve a percent word problem</li> <li>16. Multiply by a decimal to find the percent of a number</li> <li>17. Use mental math to find the percent of a number</li> </ol>
6	166-169		Chapter 16	<p><b>Students will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define probability</li> <li>2. Write probability as a fraction and as a percent</li> <li>3. Defend the claim that the structure of a honeycomb shows that it is designed</li> <li>4. Review tessellations</li> <li>5. Identify the problem to be solved</li> <li>6. Produce a tessellation</li> <li>7. Reproduce a tessellation in a proportional size</li> <li>8. Write a ratio in ratio form, fraction form, and as a decimal and a percent</li> </ol> <p><b>Review and Test</b></p>

7	170-173		Lesson 172	<p><b>Students will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Compare and order positive and negative numbers</li> <li>2. Use a number line to subtract positive numbers</li> <li>3. Use a number line to add negative numbers</li> <li>4. Add positive numbers or negative numbers</li> <li>5. Write an addition equation for a word problem</li> <li>6. Subtract positive and negative numbers</li> <li>7. Write a subtraction equation for a word problem</li> <li>8. Use math to make a wise decision</li> </ol>
8	174-177			<p><b>Review and Test</b></p> <p><b>Students will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Compare and contrast man made models with God's greatness</li> <li>2. Use given data to complete a tally table</li> <li>3. Determine the mean, range, mode, and median</li> <li>4. Read and interpret a line plot</li> <li>5. Read and interpret a stem-and- leaf plot</li> <li>6. Read and interpret a double bar graph</li> <li>7. Use given data to complete a double bar graph</li> <li>8. Read and interpret a double line graph</li> <li>9. Use given data to complete a double line graph</li> </ol>
9	178-180		Chapter 18 test	<p><b>Students will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Read and interpret a pictograph</li> <li>2. Use a table to make a pictograph</li> <li>3. Read and interpret a circle graph</li> <li>4. Use given data to make a circle graph</li> </ol> <p><b>Review and test</b></p>