

**Our Language, Our Story: Curriculum Connections**

**Division: Junior**

**Subject: Mathematics**

**Strand: Measurement**

**Overall Expectations**

<b>Grade 4</b>	<b>Grade 5</b>	<b>Grade 6</b>
<ul style="list-style-type: none"> <li>estimate, measure, and record length, perimeter, area, mass, capacity, volume, and elapsed time, using a variety of strategies</li> <li>determine the relationships among units and measurable attributes, including the area and perimeter of rectangles</li> </ul>	<ul style="list-style-type: none"> <li>estimate, measure, and record perimeter, area, temperature change, and elapsed time, using a variety of strategies</li> <li>determine the relationships among units and measurable attributes, including the area of a rectangle and the volume of a rectangular prism</li> </ul>	<ul style="list-style-type: none"> <li>estimate, measure, and record quantities, using the metric measurement system</li> <li>determine the relationships among units and measurable attributes, including the area of a parallelogram, the area of a triangle, and the volume of a triangular prism</li> </ul>

**Virtues and Themes: Possible Connections**

<p><b>Theological Virtue: Love</b> The gift of love enables us to love God above all things and to love others as God loves them. Love is visible in our Catholic schools wherever the kindness, service and self-giving of Jesus are found.</p>	<p>In the classroom, love is demonstrated in every kind action. This might include: helping one another with mathematics work, listening attentively to the concerns of others, defending those who cannot defend themselves (those who may find math difficult) and generally thinking of others. Students can reflect on the times that they showed kindness (love) to others and times when they could have been more thoughtful. Discuss our obligations in love to one another and solicit ideas from students on how to help one another during math class. Pair students so they can share and assist one another with their work in measurement.</p>
<p><b>Theological Virtue: Justice</b> A just person fulfills their obligations to God in prayer and worship, and to neighbour in mercy and fairness.</p>	<p>Students in the classroom have obligations to self and to fellow classmates. Working groups also offer support to those requiring encouragement. Discuss small group learning skills and provide opportunities to practice them as students work on measurement problems. This can also extend to other classes in the school by pairing older students with younger ones and by participating in measurement activities around the school.</p>
<p><b>Catholic Character Theme: Stewardship</b> Stewardship is about caring for the gifts God has entrusted to us. We are called to be good stewards of our talents, our bodies, our souls, our communities and of God’s creation.</p>	<p>When we look at the world around us, we see many different shapes that we can measure and describe. We look at the buildings made by talented people. We need to know how to measure them, calculate their dimensions, compare and describe their attributes to keep them clean and in good repair (e.g., for paint or soap to paint walls and clean floors). We can measure out how much food we need, such as rice, pasta, water, milk, bread etc. We can measure how much water our plants need, how much food and water our pets need. These operations can help us be good stewards of the buildings, people, pets and creation around us.</p>
<p><b>Catholic Character Theme: Compassion</b> We are made in the image and likeness of our compassionate God. Our true character is expressed when we show compassion for one another.</p>	<p>Brainstorm challenges facing members of the wider community. Look outside the school community to local food shelters and measure, and record quantities of food and drink that might be required to support the needy on a daily, monthly and yearly basis. Explore how their compassionate response can help the situation.</p>

**Support Resources:**

**Journey Activities**

<b>Grade 4</b>	<b>Grade 5</b>	<b>Grade 6</b>
CGE 6e - Catholic Graduate Expectation – A Caring Family Member: Ministers to the family, school, parish, and wider community through service.	CGE 1h - Catholic Graduate Expectation - A Discerning Believer: Respects the faith traditions, world religions and the life- journeys of all people of good will.	CGE 4e - Catholic Graduate Expectation – A Self-Directed, Responsible, Lifelong Learner : Sets appropriate goals and priorities in school, work and personal life.

	CGE 7f - Catholic Graduate Expectation - A Responsible Citizen: Respects and affirms the diversity and interdependence of the world's peoples and cultures.	
Students will: Discuss and/or estimate the needs of an individual or a family to live comfortably. Organize a collection for an organized charity drive for an individual or family in need. Reflect on the concept of giving a gift of service rather than a material gift. Estimate the amount of funds required to make a significant impact for the desired purpose OR the amount of time required to assist a needy person in the community.	In their discussion of writing the date in SI notation, students will: Become aware that the calendar year is based on the birth of Jesus as its beginning point and the significance of that event for Catholics. Understand/recognize that there are other faith traditions and cultures that use different calendars (e.g. Julian calendar, Jewish calendar)	Students will: Examine the cost of basic needs to sustain life (e.g. food, shelter) Brainstorm "What do we need to live a comfortable life?" Begin to understand, through discussion, that people may set priorities concerning what is important to them in light of gospel values.

### **Curriculum Frameworks**

<http://www.eoccc.org/onlinefw/onlineframeworks.html>

<b>Grade 3-4</b> Framework 1. Theme: Community and the Common Good Framework 3: Theme: Mystery, Wonder and Awe Framework 5: Theme: Love and Justice	<b>Grade 4</b> Framework 3. Theme: Mystery, Wonder & Awe Framework 4. Theme: Stewardship for Creation Framework 5. Theme: Rights & Responsibilities
<b>Grade 4-5</b> Framework 1. Theme: Mystery, Wonder & Awe Framework 3. Theme: Peace Framework 4. Theme: Dignity of the Human Person Framework 5. Theme: Human Rights & Responsibilities	<b>Grade 5</b> Framework 1. Theme: Peace Framework 5. Theme: Stewardship for Creation
<b>Grade 5-6</b> Framework 1. Theme: Dignity of the Human Person Framework 2. Theme: Human Rights & Responsibilities Framework 4: Stewardship for Creation Framework 6. Theme: Dignity of Work & Service	<b>Grade 6</b> Framework 2. Theme: Dignity of Work & Service Framework 4. Theme: Rights & Responsibilities Framework 5. Theme: Stewardship for Creation
<b>Grade 6-7</b> Framework 2. Theme: Stewardship for Creation Framework 4. Theme: Dignity of the Human Person Framework 5. Theme: Mystery, Wonder & Awe	

### **Curriculum Support for Catholic Schools**

<http://www.eoccc.org/csfc>

Catholic Theme: <i>Stewardship for Creation</i> <a href="http://www.eoccc.org/csfc/themes/creation.html">http://www.eoccc.org/csfc/themes/creation.html</a> Anchor Concept: <i>Stewardship</i> <a href="http://www.eoccc.org/csfc/concepts/astewardship.html">http://www.eoccc.org/csfc/concepts/astewardship.html</a> Catholic Theme: <i>Love and Justice</i> <a href="http://www.eoccc.org/csfc/themes/lovejustice.html">http://www.eoccc.org/csfc/themes/lovejustice.html</a>	Catholic Theme: <i>Community and the Common Good</i> <a href="http://www.eoccc.org/csfc/themes/commongood.html">http://www.eoccc.org/csfc/themes/commongood.html</a> Anchor Concept: <i>Community</i> <a href="http://www.eoccc.org/csfc/concepts/acommunity.html">http://www.eoccc.org/csfc/concepts/acommunity.html</a> Catholic Theme: Preferential Option for the Poor & Vulnerable <a href="http://www.eoccc.org/csfc/themes/poor.html">http://www.eoccc.org/csfc/themes/poor.html</a>
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