


Grade: Mathematics 4/5
Teacher: Sergio Barbosa
Weekly Plan for Learning

Date: April 1 - 3 2020		
		Core competencies The students will be focusing on developing the highlighted skills throughout all areas of learning this week
Mathematics		Communicating
Description: This week we will be exploring geometry. Throughout the following weeks students will explore area, perimeter, measurement, classification of shapes, and polygons. They will be applying their knowledge, understanding and skills through problem solving activities, mathematical questions, and projects.		<ul style="list-style-type: none"> ○ Listening and responding ○ Speaking purposefully ○ Reading and responding ○ Writing ○ Non-verbal cues
Understand		Collaborating
Big Ideas:	Essential Questions:	<ul style="list-style-type: none"> ○ Cooperating, working collectively, sharing ideas and resources ○ Encouraging, including and supporting others ○ Group decision making
Polygons are closed shapes with similar attributes that can be described, measured, and compared.	What is the relationship between area and perimeter?	Personal awareness and responsibility (Self-Management)
Closed shapes have area and perimeter that can be described, measured, and compared.	How can we classify shapes and polygons?	<ul style="list-style-type: none"> ○ Time management ○ Organisation ○ Setting goals for learning ○ Self-Advocating, seeking help when in need ○ Accepting responsibility ○ Self-regulation ○ Making informed choices ○ Well-being, staying healthy and active
Do		Positive personal and cultural identity
Curricular Competencies:	Students will use Jamboard to solve problems and apply their knowledge of numbers to demonstrate their understanding and communicate mathematical thinking.	<ul style="list-style-type: none"> ○ Understanding relationships and cultural contexts ○ Recognising personal values and choices ○ Identifying personal strengths and abilities
<ul style="list-style-type: none"> ● Use technology to explore mathematics ● Model mathematics in contextualized experiences ● Visualize to explore mathematical concepts ● Develop and use multiple strategies to engage in problem solving ● Communicate mathematical thinking in many ways ● Use mathematical vocabulary and language to contribute to mathematical discussions ● Explain and justify mathematical ideas and decisions 	Students will demonstrate and practise mental math strategies as they work through their calculations.	Social awareness and responsibility
	A project for them to complete. "Shape Paradise"	<ul style="list-style-type: none"> ○ Respecting others ○ Resolving conflict ○ Building relationships ○ Adapting a variety of roles ○ Recognising diversity
Know		Thinking Skills
Curricular Content:	Practise finding perimeter and area in real life and in IXL	Creative thinking
Grade 4	Discuss connections between perimeter, area and shapes	<ul style="list-style-type: none"> ○ Generating ideas and building on ideas of others ○ Creating and innovating ○ Evaluating and developing
Grade 5	Math games (perimeter and area)	Critical and reflective thinking
<ul style="list-style-type: none"> ● regular and irregular polygons ● perimeter of regular and irregular shapes ● line symmetry 	Classifying shapes through given definitions	<ul style="list-style-type: none"> ○ Analysing and critiquing ○ Questioning and investigating ○ Reflecting and assessing
<ul style="list-style-type: none"> ● area measurement of squares and rectangles ● relationships between area and perimeter ● classification of prisms and pyramids 		Research Skills
		<ul style="list-style-type: none"> ○ Formulating questions ○ Observing ○ Planning

<p>Required Resources and Materials:</p> <p>Pencil, paper or notebook, ruler with cm and mm (if possible) Laptop with access to Internet and Google Drive Building supplies (cardboard, playing cards, glue, etc...) Headphones, webcam and microphone (if not part of the student's device) Access to a camera (iphone, ipad, smart phone) that will allow students to photograph and share any work completed on paper or record videos about their learning. Access to: IXL Math Monkeys – Number Rumble</p>	<ul style="list-style-type: none"> ○ Collecting data ○ Recording data ○ Organizing data ○ Interpreting data ○ Presenting research
	<p>Organising their mathematical thinking clearly and coherently. Listening to the ideas of others, making suggestions, seeking clarification. Reflecting on their own ability and challenges - oral or written</p>