



P352X Grade 5 SA

Envision 2020

2025-26

Marking Period 4: March 9 – May 1 (7 weeks)

Grade 5 - Topics 10-12

	Materials	Evidence of Student Learning Student Work/ Portfolio	Assessments
Build Mathematical Literacy	<ul style="list-style-type: none"> • Math Word Wall • Vocabulary Word Chart • Anchor Charts • Math Manipulatives • Online Math Games 	<ul style="list-style-type: none"> • Math Practices & Problem-Solving Handbook • Problem-Solving Leveled Reading Mats • Teacher Observation • Interactive Math Story 	<ul style="list-style-type: none"> • Topic Assessments <ul style="list-style-type: none"> • Topic 10: 3/24/26 • Topic 11: 4/17/26 • Topic 12: 5/1/26 • Culminating Tasks (see "Pick a Project") at the end of each topic • Daily homework assignments • Math Practice Proficiency Rubric
Differentiation	<ul style="list-style-type: none"> • Envision 2020 Tier 2 Interventions 	<ul style="list-style-type: none"> • Ongoing, Strategic and Intensive Intervention 	<ul style="list-style-type: none"> • Student Quick Check • Math Diagnosis and intervention System
Topic Centers	<ul style="list-style-type: none"> • Sand Center • Writing Center • Science Center • Movement Center • Dramatic Play Center • Math Center 	<ul style="list-style-type: none"> • Samples produced in the centers • Photos of students participating in topic center activities 	<ul style="list-style-type: none"> • Math Practice Proficiency Rubric • Questioning • Self/Peer Assessment

**Grade 5 Envision Topic 10: Represent and Interpret Data
March 10 - March 24**

Essential Question: How can line plots be used to represent data and answer questions?

Lesson	Mathematics Objective	Essential Understanding	Vocabulary	Materials	Technology and Activity Centers
10-1 Analyse Line plots	Read and analyze line plots.	Line plots are one way to organize and represent numerical data collected in a survey.	<ul style="list-style-type: none"> Data Line plot 	<ul style="list-style-type: none"> Number Lines (TT 12) 	<ul style="list-style-type: none"> Math Tools enVision STEM Activity
10-2 Make Line Plots	Organize and display data in a line plot.	Line plots are one way to organize and represent numerical data. You can use a line plot to see how data is distributed.	None	<ul style="list-style-type: none"> Number Lines (TT 12) 	<ul style="list-style-type: none"> Math Tools Problem-Solving Reading Activity
10-3 Solve Word Problems Using Measurement Data	Solve problems using data in a line plot.	You can use line plots to solve problems that involve data.	None	<ul style="list-style-type: none"> Number Lines (TT 12) 	<ul style="list-style-type: none"> Math Games Problem-Solving Reading Activity
10-4 Problem Solving: Critique Reasoning	Critique the reasoning of others using understanding of line plots and fractions.	Good math thinkers use math to explain why they are right. They can talk about math that others do, too.	None	None	<ul style="list-style-type: none"> Math Games Pick a Project

Topic 10 Assessment: 3/24/26

Culminating Task: “Pick a Project” (Choose ONE Project)

Project 10A: How big is Big Data?	Project: Make line plots for data
Project 10B: What was the first U.S. penny?	Project: Design a coin
Project 10C: Why are sequoia trees so big?	Project: Measure trees
Project 10D: How are plant leaves different?	Project: Make a leafy line plot

Grade 5 Envision Topic 11: Understand Volume Concepts

March 25 - April 17

Essential Question: What is the meaning of volume of a solid? How can the volume of a rectangular prism be found?

Lesson	Mathematics Objective	Essential Understanding	Vocabulary	Materials	Technology and Activity Centers
11-1 Model Volume	Find the volume of the solid.	Volume can be measured by counting the number of cubic units needed to fill a three-dimensional figure	<ul style="list-style-type: none"> • Volume • Cubic unit • Cube • Rectangular prism • Unit cube 	<ul style="list-style-type: none"> • Unit cubes 	<ul style="list-style-type: none"> • Math Tools • Problem-Solving Reading Activity
11-2 Develop a Volume Formula	Find the volume of rectangular prisms using a formula	Formula can be used to find the volume of rectangular prisms and cubes.	<ul style="list-style-type: none"> • Formula 	<ul style="list-style-type: none"> • Unit cubes 	<ul style="list-style-type: none"> • Math Tools • enVision STEM Activity
11-3 Combine Volumes of Prisms	Find the volume of a solid figure combining two or more rectangular prisms.	The volume of a solid figure composed of rectangular prisms can be found by adding them.	None	<ul style="list-style-type: none"> • Combining Volumes (or TT 19) 	<ul style="list-style-type: none"> • Math Tools • Pick a Project
11-4 Solve Word Problems Using Volume	Use models, prior knowledge of volume and previously learned strategies to solve word problems involving volume.	Some problems can be solved by first finding and solving one or more sub-problems and then using the answers to solve the original problem.	None	None	<ul style="list-style-type: none"> • Math Games • EnVision STEM Activity
11-5 Problem Solving: Use Appropriate Tools	Use previously learned knowledge about volume to choose the appropriate tools to solve volume problems	Good math thinkers know how to pick the right tools to solve math problems.	None	<ul style="list-style-type: none"> • Unit cubes • Place-value blocks (or TT 4) • Centimeter grid paper (or TT 9) 	<ul style="list-style-type: none"> • Math Games • Problem-Solving Reading Activity

Topic 11 Assessment: 4/17/26

Culminating Task: "Pick a Project" (Choose ONE Project)

Project 11A: How big are skyscrapers?	Project: Build a Skyscraper with Unit Cubes
Project 11B: Why do cats climb into boxes?	Project: Design a cat tree
Project 11C: Why are trucks useful for transporting packages?	Project: Model a truck's capacity

Grade 5 Envision Topic 12: Convert Measurements

April 20 - May 1

Essential Question: What are customary measurement units and how are they related?

What are metric measurement units and how are they related?

Lesson	Mathematics Objective	Essential Understanding	Vocabulary	Materials	Technology and Activity Centers
12-1 Convert Customary Units of Length	Convert customary units of length.	Multiplication and division are used to convert among different units of length.	<ul style="list-style-type: none"> • Foot (ft) • Inch (in) • Yard (yd) • Mile (mi) 	<ul style="list-style-type: none"> • Inch ruler and yardstick (or TT 17) 	<ul style="list-style-type: none"> • Math Tools • enVision STEM Activity
12-2 Convert Customary Units of Capacity	Convert customary units of capacity.	Multiplication and division are used to convert different units of capacity.	<ul style="list-style-type: none"> • Capacity • Gallon (gal) • Quart (qt) • Pint (pt) • Cup (c) • Fluid ounce (fl oz) 	None	<ul style="list-style-type: none"> • Math Tools • Pick a Project
12-3 Convert Customary Units of Weight	Convert customary units of weight	Multiplication and division are used to convert among different units of weight.	<ul style="list-style-type: none"> • Weight • Ton (T) • Pound (lb) • Ounce (oz) 	None	<ul style="list-style-type: none"> • Math Tools • Pick a Project
12-4 Convert Metric Units of Length	Convert metric units of length.	Multiplication and division are used to convert among different units of length.	<ul style="list-style-type: none"> • Kilometer (Km) • Meter (m) • Centimeter (cm) • Millimeter (mm) 	<ul style="list-style-type: none"> • Centimeter ruler and meter stick • (or TT 16) 	<ul style="list-style-type: none"> • Math Tools • Problem-Solving Reading Activity
12-5 Convert Metric Units of Capacity	Convert metric units of capacity.	Multiplication and division are used to convert different units of capacity.	<ul style="list-style-type: none"> • Liter (L) • Milliliter (mL) 	None	<ul style="list-style-type: none"> • Math Tools • Pick a Project
12-6 Convert Metric Units of Mass	Convert metric units of mass.	Multiplication and division are used to convert different units of mass.	<ul style="list-style-type: none"> • Mass • Milligram (mg) • Gram (g) • Kilogram (kg) 	None	<ul style="list-style-type: none"> • Math Tools • Pick a Project

12-7 Convert Units of Time	Convert units of time.	Multiplication and division are used to convert between units of time	None	<ul style="list-style-type: none"> Number Lines (TT 12) 	<ul style="list-style-type: none"> Math Games Pick a Project
12-8 Solve Word Problems Using Measurement Conversions	Solve real-world problems with measurement conversions.	Some problems can be solved by first finding and solving one or more sub-problems, and then using the answer(s) to solve the original problem.	None	None	<ul style="list-style-type: none"> Math Games Problem-Solving Reading Activity
12-9 PROBLEM SOLVING: Precision	Be precise when solving measurement problems.	Good math thinkers are careful about what they write and say, so their ideas about math are clear.	None	<ul style="list-style-type: none"> Centimeter ruler and meter stick (or TT 16) 	<ul style="list-style-type: none"> Math Games enVision STEM Activity

Topic 12 Assessment: 5/1/26

Culminating Task: “Pick a Project” (Choose ONE Project)

Project 12A: What makes a treehouse so cool?	Project: Build a model of a Treehouse
Project 12B: What would you weigh on Mars?	Project: Make a mobile display of the solar system
Project 12C: Have you ever heard of National Punch Day?	Project: Plan a class party
Project 12D: What are the characteristics of Florida panthers?	Project: Design a zoo space for Florida panther cubs

Blank Weekly Plan –

Teachers will identify lessons that will be taught and the specific components of each lesson that will be presented to students each day. **All skill areas** must be addressed: Lessons, Vocabulary, Technology and Activity Centers *Duplicate this page as needed.

Date :

	Monday	Tuesday	Wednesday	Thursday	Friday
Envision Lesson Number					
Math Objective Addressed					
Assessment					
Materials Needed					
Differentiation					

Behaviors

Listen and look for the following behaviors to monitor students' ongoing development of proficiency with looking for and making use of structure.

- Analyze and describe patterns in numbers.
- Analyze and describe common attributes and patterns in shapes and solids.
- Analyze expressions, equations, procedures, and objects to represent, describe, and work with them in different ways.

Use the list of behaviors above and the following rubric to evaluate a student's overall proficiency with this practice.

Daily Math Practice Proficiency Rubric	
4 Exemplary	The student exhibits all of the behaviors.
3 Proficient	The student exhibits most of the behaviors.
2 Emerging	The student exhibits about half of the behaviors.
1 Needs Improvement	The student exhibits less than half of the behaviors.

**P352X Math Scoring Rubric
(Grade 5)**

Criteria	Developing	Progressing	Meet Expectations	Exceeding Expectations	Score
	1	2	3	4	
DEMONSTRATES A THOROUGH UNDERSTANDING	Shows no understanding of the problem or question.	Shows little understanding of the problem or question.	Shows partial understanding of the problem or question.	Shows understanding of the problem or question.	
TASK COMPLETION AND ACCURACY	Model, drawing, or equation does not support the response.	Model, drawing, or equation may be confusing.	Model, drawing, or equation shows that the student only partially understands the math required response.	Model, drawing, or equation clarifies, enhances, or supports the response and shows that the student understands the math required response.	
WORK PRODUCTS	Student indicates nothing about their thought process or strategy.	Uses limited math words in response to the Math problems.	Uses math words (only) that add clarity to the response.	Uses math words and phrases that add clarity and precision to the response.	
PARTICIPATION IN THE CULMINATING TASK(S)	I participated in culminating task activities minimally. I did not self-monitor my progress throughout the unit.	I participated in several culminating task activities and occasionally self-monitored my progress throughout the unit.	I participated in most of the activities related to the culminating task and self-monitored my progress periodically throughout the unit.	I participated in all activities related to the culminating task and self-monitored my progress throughout the unit. I also shared my work and understanding with my peers.	
Overall Score					
Notes					