P.Cert.Gr.5 My Math Unit 1: Place value

Content Area: **Math**
Course(s):
Time Period: **September**
Length: **2-3 Weeks**
Status: **Obsolete**

Unit Overview

Students learn the purpose and fuction of place value.

Enduring Understandings

The position of a digit in a number relate to its value.

Essential Questions

How does the position of a digit in a number relate to its value?

Instructional Strategies & Learning Activities

Chapter 1

Pacing Guide
Suggested Pacing

Instruction	10 days
Review/Assessment	2 days
Total*	12 days

*Includes additional time for remediation and differentiation.

Lesson	Objective	Material & Manipulatives	Vocabular
Lesson 1 *pp. 11-16* **Place Value Through Millions**	Read and write whole numbers through the millions.	• stopwatches • place-value chart	**place-value cha** **period** **place** **place value** **standard form** **expanded form**
Lesson 2 *pp. 17-22*	Compare and order whole	• paper	

Compare and Order Whole Numbers through Millions	numbers through millions.	• index cards • place-value chart	
Lesson 3 *pp. 23-28* **Hands On: Model Fractions and Decimals**	Use models to relate decimals to fractions.	• tenths grid • hundredths grid • place-value chart	**decimal** **decimal point**
Lesson 4 *pp. 29-34* **Represent Decimals**	Represent fractions that name tenths, hundredths, and thousandths as decimals.	• play money • tenths grid • hundredths grid • thousandths cube	
Check My Progress Lesson 5 *pp. 37-42* **Hands On: Understand Place Value**	Understand place value in decimal numbers.	• interactive white board • place-value chart • hundredths grid • thousandths cube	
Lesson 6 *pp. 43-48* **Place Value through Thousandths**	Read and write decimals in standard form, expanded form, and word form.	• place-value chart	
Lesson 7 *pp. 49-54* **Compare Decimals**	Compare decimals.	• 10-by-10 grids • tenths grid • number line	**equivalent deci**
Lesson 8 *pp. 55-60* **Order Whole Numbers and Decimals**	Order whole numbers and decimals.	• spinner with 0-9 on it • number line	
Lesson 9 *pp. 61-66* **Problem Solving**	Solve problems using the four-step plan.		

Investigation: Use the
Four-Step Plan

My Review and Reflect

Integration of 21st Century Themes and Career Exploration

Students will work in cooperative groups to solve problems. Students will interact with the Smartboard to enhance the learning process.

CRP.K-12.CRP1	Act as a responsible and contributing citizen and employee.
CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP4	Communicate clearly and effectively and with reason.
CRP.K-12.CRP8	Utilize critical thinking to make sense of problems and persevere in solving them.
CRP.K-12.CRP9	Model integrity, ethical leadership and effective management.
CRP.K-12.CRP12	Work productively in teams while using cultural global competence.

Technology Integration

Students will interact with the Smartboard to enhance the learning process. Students will use various web-based, interactive games to expand the content, as needed.

Interdisciplinary Connections

Students will read and write throughout the entire unit.

LA.RI.5.4	Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 5 topic or subject area.
LA.RF.5.3	Know and apply grade-level phonics and word analysis skills in decoding and encoding words.
LA.RF.5.4	Read with sufficient accuracy and fluency to support comprehension.

Differentiation

- Use of different resources to match the readiness levels of the students when working on the activities in the daily lessons.
- Respond to students' needs for reteaching, reinforcing, and extending learning.
- Use of a variety of instructional strategies to engage students in learning.

- Question prompts to promote student engagement
- Use discussion to promote collaboration among students
- Integrate technology to offer varied learning experiences
- Adjust instruction based on formative tasks/assessments

Modifications & Accommodations

- In class support and scaffolding based on the individual IEP's

Benchmark Assessments

Students will complete Aimsweb testing for Benchmark assessments.

Formative Assessments

- Task completion
- Answers and discussions
- Student maps
- Bingo
- Quizzes
- Participation

Summative Assessments

Quizzes

Final Tests

Instructional Materials

My Math textbooks, teacher materials

Smartboard

See embedded materials in instructional strategies above.

Standards

MA.5.NBT.A.1	Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.
MA.5.NBT.A.3	Read, write, and compare decimals to thousandths.
MA.5.NBT.A.3a	Read and write decimals to thousandths using base-ten numerals, number names, and expanded form, e.g., 347.392 = 3 × 100 + 4 × 10 + 7 × 1 + 3 × (1/10) + 9 × (1/100) + 2 × (1/1000).
MA.5.NBT.A.3b	Compare two decimals to thousandths based on meanings of the digits in each place, using >, =, and < symbols to record the results of comparisons.