

March Gr.1 Unit 8: Measurement and Time

Content Area: **Math**
Course(s):
Time Period: **March**
Length: **4-5 Weeks**
Status: **Obsolete**

Unit Overview

Students will learn about measurement and time.

Enduring Understandings

We can compare objects by length.

We can express the length of an object as a whole number with length units.

We can tell time with an analog and a digital clock.

Essential Questions

How do I determine length and time?

Instructional Strategies & Learning Activities

- Math Chapter 8
- **Pacing Guide**
Suggested Pacing

Instruction	13 days
Review/Assessment	2 days
Total*	15 days

- *Includes additional time for remediation and differentiation.

Lesson	Objective	Material & Manipulatives	Vocabulary	Standard
Lesson 1 <i>pp. 563-568</i> Compare Lengths	Compare the lengths of objects using indirect measurement.	<ul style="list-style-type: none">• crayon• marker• classroom objects• eraser	length long short	1.MD.1 Major Cluster

Lesson 2 <i>pp. 569-574</i> Compare and Order Lengths	Compare and order the lengths of objects.	<ul style="list-style-type: none"> • crayon • marker • classroom objects 		MP 1, 2, 3, 4, 6 1.MD.1 Major Cluster
Lesson 3 <i>pp. 575-580</i> Nonstandard Units of Length	Measure the lengths of objects using nonstandard units.	<ul style="list-style-type: none"> • connecting cubes • classroom objects • paper clips 	measure unit	MP 1, 2, 3, 5, 6 1.MD.2 Major Cluster
Lesson 4 <i>pp. 581-586</i> Problem-Solving Strategy: Guess, Check, and Revise	Guess, check, and revise to solve problems.	<ul style="list-style-type: none"> • connecting cubes • classroom objects • pennies 		MP 1, 2, 3, 7, 8 1.MD.2 Major Cluster
Check My Progress Lesson 5 <i>pp. 589-594</i> Time to the Hour: Analog	Read and write time to the hour on an analog clock.	<ul style="list-style-type: none"> • manipulative clocks • demonstration clock • flash cards 	hour hand hour minute hand minute analog clock o'clock	MP 1, 2, 3, 8 1.MD.3 Major Cluster
Lesson 6 <i>pp. 595-600</i> Time to the Hour: Digital	Use a digital clock to tell and write time to the hour.	<ul style="list-style-type: none"> • demonstration clock • scissors • manipulative clocks • write-on/wipe-off boards • Manipulative Masters pages 	digital clock	MP 1, 2, 3, 4, 6, 8 1.MD.3 Major Cluster
Lesson 7 <i>pp. 601-606</i> Time to the Half Hour:	Read time to the half hour on an analog clock.	<ul style="list-style-type: none"> • number cubes • demonstration 	half hour	MP 1, 2, 3, 6, 7 1.MD.3

Analog

clock
• manipulative
clocks

Major Cluster

Lesson 8 *pp. 607-612* **Time to the Half Hour: Digital**

Use a digital clock to tell and write time to the half hour.

• manipulative
clocks
• write-on/wipe-off
boards
• Manipulative
Masters pages
• scissors

MP
1, 2, 3, 4, 5,
6, 8
1.MD.3

Major Cluster

Lesson 9 *pp. 613-618* **Time to the Hour and Half Hour**

Tell and write time using digital and analog clocks to the hour and half hour.

• hundred chart
• manipulative
clocks
• write-on/wipe-off
boards
• demonstration
clock
• crayons

MP
1, 2, 3, 4, 8
1.MD.3

Major Cluster

MP
1, 2, 3, 5, 6,
7

My Review and Reflect

- Chapter 8: Targeted Strategic Intervention
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-
- Differentiated Instruction
- What's the Math in This Chapter?
- Reading Connections

Integration of Career Readiness, Life Literacies and Key Skills

Students will establish and follow rules, routines, and responsibilities throughout the year.

WRK.9.1.2.CAP.1

Make a list of different types of jobs and describe the skills associated with each job.

TECH.9.4.2.CI.1

Demonstrate openness to new ideas and perspectives (e.g., 1.1.2.CR1a, 2.1.2.EH.1, 6.1.2.CivicsCM.2).

TECH.9.4.2.CI.2

Demonstrate originality and inventiveness in work (e.g., 1.3A.2CR1a).

TECH.9.4.2.CT.2

Identify possible approaches and resources to execute a plan (e.g., 1.2.2.CR1b, 8.2.2.ED.3).

TECH.9.4.2.CT.3

Use a variety of types of thinking to solve problems (e.g., inductive, deductive).

Brainstorming can create new, innovative ideas.

Different types of jobs require different knowledge and skills.

Critical thinkers must first identify a problem then develop a plan to address it to effectively solve the problem.

Technology and Design Integration

Students will interact with the textbook/workbooks on the Smartboard throughout My Math Lessons.

Students will engage in lessons on Dreambox, an interactive Math program that allows progress at a students own pace through the Standards in Math for Grade 1

CS.K-2.8.1.2.CS.1

Select and operate computing devices that perform a variety of tasks accurately and quickly based on user needs and preferences.

Interdisciplinary Connections

Students will use leveled books to reinforce and extend problem-solving skills and strategies.

LA.RI.1.1

Ask and answer questions about key details in a text.

LA.RI.1.7

Use the illustrations and details in a text to describe its key ideas.

LA.SL.1.1

Participate in collaborative conversations with diverse partners about grade 1 topics and texts with peers and adults in small and larger groups.

Differentiation

Each My Math unit throughout the series offers "approaching level", "on level" and "Beyond level" differentiated instructional hands-on choices, as well as ELL differentiated support. Please refer to the teacher edition for the activities.

Modifications & Accommodations

IEP and 504 accommodations will be followed.

Formative Assessments

Teacher observation

Student conferences

Discussion

Activities

games

homework

Benchmark Assessments

Aimsweb Benchmark testing three times a year.

Summative Assessments

My Math chapter assessments

Instructional Materials

See materials in the above lesson plans.

Standards

MA.1.MD.A.1	Order three objects by length; compare the lengths of two objects indirectly by using a third object.
MA.1.MD.A.2	Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps.
MA.1.MD.B.3	Tell and write time in hours and half-hours using analog and digital clocks.