

Oct. Gr.2 Unit 2: Number Patterns

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

Unit Overview
This unit covers number patterns, skip counting, repeated addition and even and odd numbers.

Enduring Understandings
Recognizing number patterns is important to the understanding of math concepts.

Essential Questions
What is a number pattern and how can it help us to understand mathematical concepts?

Instructional Strategies & Learning Activities

Lesson	Objective	Material & Manipulatives	Vocabulary	
Lesson 1 <i>pp. 107-112</i> Skip Count on a Hundred Chart	Use patterns to skip count.	<ul style="list-style-type: none">• long paper• counters• crayons, markers, or colored pencils	skip count	2.O. 2.O. 2.N. Ma MP 3, 5
Lesson 2 <i>pp. 113-118</i> Skip Count by 2s, 5s, and 10s	Model skip counting to find the total in equal groups.	<ul style="list-style-type: none">• connecting cubes• base-ten blocks• counters	equal groups	2.O. 2.N. Ma MP 1, 2
Lesson 3 <i>pp. 119-124</i> Problem Solving Strategy: Find a Pattern	Find a pattern to solve problems.	<ul style="list-style-type: none">• connecting cubes		2.O. 2.N.

				Major
				MP 1, 3
Check My Progress Lesson 4 <i>pp. 127-132</i> Repeated Addition	Use repeated addition to add equal groups.	<ul style="list-style-type: none"> counters connecting cubes 	repeated addition	2.O. 2.N.
				Sup Clu
				MP 1, 2
Lesson 5 <i>pp. 133-138</i> Repeated Addition with Arrays	Use arrays with repeated addition.	<ul style="list-style-type: none"> counters connecting cubes crayons or markers 	array	2.O. Sup
				MP 2, 3
Lesson 6 <i>pp. 139-144</i> Even and Odd Numbers	Find even and odd numbers in number patterns.	<ul style="list-style-type: none"> counters connecting cubes number cubes 	even odd	2.O. Sup
				MP 1, 2
Lesson 7 <i>pp. 145-150</i> Sums of Equal Numbers	Find sums of equal numbers.	<ul style="list-style-type: none"> connecting cubes 		2.O. Sup
				MP 1, 4
Fluency Practice				
My Review and Reflect				

Integration of Career Readiness, Life Literacies and Key Skills

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).
TECH.9.4.2.DC.3	Explain how to be safe online and follow safe practices when using the internet (e.g., 8.1.2.NI.3, 8.1.2.NI.4).
TECH.9.4.2.DC.4	Compare information that should be kept private to information that might be made

public.

Different types of jobs require different knowledge and skills.

Brainstorming can create new, innovative ideas.

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

Individuals should practice safe behaviors when using the Internet.

Technology and Design Integration

Students will interact with the SmartBoard, Ipads, chromebooks and document camera.

Individuals use computing devices to perform a variety of tasks accurately and quickly.
Computing devices interpret and follow the instructions they are given literally.

Interdisciplinary Connections

LA.RI.2.4	Determine the meaning of words and phrases in a text relevant to a grade 2 topic or subject area.
LA.RF.2.3	Know and apply grade-level phonics and word analysis skills in decoding words.
LA.RF.2.4	Read with sufficient accuracy and fluency to support comprehension.

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

Benchmark Assessments

AIMSweb

Formative Assessments

Teacher observation

Student conferences

Discussion

Activities

games

homework

white board

Summative Assessments

My Math chapter assessments

Instructional Materials

See instructional materials embedded in lesson plans above.

Standards

MA.K-12.1	Make sense of problems and persevere in solving them.
MA.2.OA.A.1	Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.
MA.K-12.2	Reason abstractly and quantitatively.
MA.K-12.3	Construct viable arguments and critique the reasoning of others.
MA.2.OA.B.2	Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.
MA.K-12.4	Model with mathematics.
MA.2.OA.C.3	Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.

MA.2.OA.C.4	Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.
MA.K-12.5	Use appropriate tools strategically.
MA.K-12.6	Attend to precision.
MA.K-12.7	Look for and make use of structure.
MA.2.NBT.A.2	Count within 1000; skip-count by 5s, 10s, and 100s.
MA.K-12.8	Look for and express regularity in repeated reasoning.