

Mathematics
Unit 1: Algebra Concepts

Essential Understandings	<ul style="list-style-type: none"> ▪ Patterns can be found in many forms.
Essential Questions	<ul style="list-style-type: none"> ▪ What is a pattern? ▪ How does one describe a pattern? ▪ How can a pattern be used to make a prediction? ▪ How does one extend a pattern? ▪ How can finding patterns help with counting? ▪ How can one use skip counting to count by 10s to 100?
Essential Knowledge	<ul style="list-style-type: none"> ▪ The same objects can be sorted and classified in many ways. ▪ Patterns repeat. ▪ One can use patterns to make predictions about what comes next. ▪ Numbers have patterns when one counts.
Vocabulary	<ul style="list-style-type: none"> ▪ <u>Terms</u>: <ul style="list-style-type: none"> ○ identify, reproduce, patterns, repeating, non-repeating, extend, create, continue, forwards, backwards, up, on, back, group, skip-counting, before, after, missing
Essential Skills	<ul style="list-style-type: none"> ▪ Identify, reproduce, create, and extend simple patterns (i.e., abab). (I, R, A) ▪ Identify patterns of numbers when skip counting by 10s to 100. (I, R)
Related Maine Learning Results	<p>D. Algebra Functions and Relations D3.Students understand how to create, identify, describe, and extend patterns given a pattern or a rule. a. Describe, extend and create repeating patterns.</p>