Grade level: 1 **Course Title: Math** **Topic/Concept: Counting & Number Sense**

Time Allotment: 1.5 Weeks **Unit Sequence: 1**

Major Concepts to be learned:

Counting and Number Sense

Expected Skills to be demonstrated:

Count forward by ones to 120, count backwards by 1s within 120, skip count by twos fives tens, ten more, ten less

PA Standards/Anchors:	Eligible Content:
CC.2.1.1	• Students will use a number line to write and order numbers. • Students will use snap cubes to compare numbers.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	• Mid chapter test • Chapter test

Grade level: 1 **Course Title: Math** **Topic/Concept: Numbers and Operations**

Time Allotment: 1.5 Weeks **Unit Sequence: 2**

Major Concepts to be learned:

- Count by tens and ones
- Numbers and Operations

Expected Skills to be demonstrated:

Show numbers in different ways, Understand tens and ones, Model, read, and write numbers from 100 and 120

PA Standards/Anchors:	Eligible Content:
CC.2.1.1 CC.2.1.1.B	Students will use a number line and snap cubes to learn to add numbers.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	• Mid chapter test • Chapter test

Grade level: 1 | **Course Title: Math** | **Topic/Concept: Compare Numbers**

Time Allotment: 2 weeks | **Unit Sequence: 3**

Major Concepts to be learned:

Compare Numbers

Expected Skills to be demonstrated:

- Greater than, less than
- Use symbols to compare
- Order numbers

PA Standards/Anchors:	Eligible Content:
CC.2.1.1 CC.2.1.1.B	Students will use a number line, snap cubes, and base ten blocks to compare.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	• Mid chapter test • Chapter test

Grade level: 1 | **Course Title: Math** | **Topic/Concept: Addition Concepts**

Time Allotment: 2 weeks | **Unit Sequence: 4**

Major Concepts to be learned:

- Addition Concepts
- Numbers and Operations

Expected Skills to be demonstrated:

Compose to ten, Model adding to, Model putting together, Model addition, Add zero, Add to ten in any order

PA Standards/Anchors:	Eligible Content:
CC.2.1.1	Students will use snap cubes, number line, and base ten to add.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	• Mid chapter test • Chapter test

Grade level: 1 **Course Title: Math** **Topic/Concept: Subtraction Concepts**

Time Allotment: 2 weeks **Unit Sequence: 5**

Major Concepts to be learned:

Subtraction concepts

Expected Skills to be demonstrated:

Use pictures to show taking from, model taking from and taking apart, model subtraction, use pictures and subtraction to compare, subtract all or zero, take apart numbers, subtract from ten or less

PA Standards/Anchors:	Eligible Content:
CC.2.1.1 CC.2.2.1	Students will use a number line and snap cubes to solve subtraction problems.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	• Mid chapter test • Chapter test

Grade level: 1 **Course Title: Math** **Topic/Concept: Addition Strategies**

Time Allotment: 2.5 weeks **Unit Sequence: 6**

Major Concepts to be learned:

Addition Strategies

Expected Skills to be demonstrated:

Count on, add doubles, use doubles to add, doubles + and doubles – 1, add ten and more, make a ten to add, real world addition problems

PA Standards/Anchors:	Eligible Content:
CC.2.1.1 CC.2.2.1	Students will use a number line and snap cubes to add.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	• Mid chapter test • Chapter test

Grade level: 1 | **Course Title: Math** | **Topic/Concept: Subtraction Strategies**

Time Allotment: 2.5 weeks | **Unit Sequence: 7**

Major Concepts to be learned:

Subtraction Strategies

Expected Skills to be demonstrated:

Count back, think addition to subtract, use ten to subtract, break apart to subtract, real world subtraction problems

PA Standards/Anchors:	Eligible Content:
CC.2.1.1 CC.2.2.1 CC.2.2.1.A	The students will use tens frames and snap cubes and number lines to subtract.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	• Mid chapter test • Chapter Test

Grade level: 1 **Course Title: Math** **Topic/Concept: More Addition Strategies**

Time Allotment: 1 week **Unit Sequence: 8**

Major Concepts to be learned:

More addition strategies

Expected Skills to be demonstrated:

Add to 20 in any order, use properties to add three numbers, practice adding three numbers, use addition strategies

PA Standards/Anchors:	Eligible Content:
CC.2.1.1 CC.2.2.1	Students will use snap cubes and number lines to show addition.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	Chapter test

Grade level: 1 **Course Title: Math** **Topic/Concept: Addition & Subtraction Relationships**

Time Allotment: 2 weeks **Unit Sequence: 9**

Major Concepts to be learned:

Addition and subtraction relationships

Expected Skills to be demonstrated:

Record and identify related facts, use addition to check subtraction, unknown numbers, use related facts, ways to make numbers to 20, equal and not equal, facts practice to 20

PA Standards/Anchors:	Eligible Content:
CC.2.1.1. CC.2.2.1 CC.2.2.1.A	Students will use snap cubes, number lines, counters, work mats/tens frames to add and subtract.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	Chapter test

Grade level: 1 **Course Title: Math** **Topic/Concept: Two-Digit Addition & Subtraction**

Time Allotment: 2.5 weeks **Unit Sequence: 10**

Major Concepts to be learned:

Two-digit addition and subtraction

Expected Skills to be demonstrated:

Add and subtract within 20, add tens, subtract tens, use 100 chart to add, use models to add, add two digit and one digit numbers, use place value to add, addition word problems

PA Standards/Anchors:	Eligible Content:
CC.2.1.1 CC.2.2.1 CC.2.2.1.C	The students will use base ten blocks and hundreds charts to add and subtract.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	• Mid chapter test • Chapter test

Grade level: 1 **Course Title: Math** **Topic/Concept: Money**

Time Allotment: 1.5 weeks **Unit Sequence: 11**

Major Concepts to be learned:

Money

Expected Skills to be demonstrated:

Pennies nickles, and dimes, count collections of coins, quarters

PA Standards/Anchors:	Eligible Content:
CC.2.4.1 CC.2.4.1.A	The students will use money manipulatives to identify and add coins.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	Number pattern tests

Grade level: 1 **Course Title: Math** **Topic/Concept: 3-Dimensional Solids**

Time Allotment: 2 weeks **Unit Sequence: 12**

Major Concepts to be learned:

3D Solids

Expected Skills to be demonstrated:

3D shapes, combine 3D shapes, make new 3D shapes, take apart 3D shapes, 2D shapes on 3D shapes

PA Standards/Anchors:	**Eligible Content:**
CC.2.3.1 CC.2.3.1.A	The students will use 2D pattern blocks and 3D shapes.

Instructional Strategies:	**Assessments:**
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	Chapter test

Grade level: 1 **Course Title: Math** **Topic/Concept: 2-Dimensional Shapes**

Time Allotment: 1 week **Unit Sequence: 13**

Major Concepts to be learned:

2-Dimensional Shapes

Expected Skills to be demonstrated:

Classify and sort two dimensional shapes, attributes of 2D shapes, create 2D shapes, compose more shapes and create new 2D shapes

PA Standards/Anchors:	Eligible Content:
CC.2.3.1 CC.2.3.1.A	The students will use 2D shapes and pattern blocks.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	Chapter Test

Grade level: 1 **Course Title: Math** **Topic/Concept: Fraction Concepts**

Time Allotment: 1.5 week **Unit Sequence: 14**

Major Concepts to be learned:

Fraction Concepts

Expected Skills to be demonstrated:

Equal and unequal parts, halves, and fourths

PA Standards/Anchors:	Eligible Content:
CC.2.4.1 CC.2.4.1.A	The students will use student fraction manipulatives.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	Chapter test

Grade level: 1 **Course Title: Math** **Topic/Concept: Measurement**

Time Allotment: 2 weeks **Unit Sequence: 15**

Major Concepts to be learned:

Measurement

Expected Skills to be demonstrated:

Estimating length using inches and centimeters, measure to the nearest inch and centimeter, order length

PA Standards/Anchors:	Eligible Content:
CC.2.4.1 CC.2.4.1.C	The students will use rulers to measure.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	• Mid chapter test • Chapter test

Grade level: 1 **Course Title: Math** **Topic/Concept: Time**

Time Allotment: 1.5 weeks **Unit Sequence: 16**

Major Concepts to be learned:

Time

Expected Skills to be demonstrated:

Time to the hour and half hour, time to the hour, time to the half hour, practice time to the hour and half hour

PA Standards/Anchors:	Eligible Content:
CC.2.4.1 CC.2.4.1.A	Students will use clocks to tell time.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	Chapter test

Grade level: 1 **Course Title: Math** **Topic/Concept: Graphing**

Time Allotment: 1.5 weeks **Unit Sequence: 17**

Major Concepts to be learned:

Graphing

Expected Skills to be demonstrated:

Read picture graphs, make picture graphs, tally marks, make tally marks

PA Standards/Anchors:	Eligible Content:
CC.2.4.1 CC.2.4.1.A	Students will use graphs and tally marks to measure.

Instructional Strategies:	Assessments:
• Whole group instruction • Small group instruction • Hands-on manipulatives • Literature • Waggle • IXL	Chapter tests