Moon Area School District Curriculum Map

Course: Math 1

Grade Level: 1

Content Area: Mathematics

Frequency: Full-Year Course

Big Ideas

1. Numbers can be represented in different ways and manipulated for different purposes.
2. Number lines can be used to represent whole numbers, fractions, integers, and real numbers. They are ordered and are infinite.
3. Numbers are represented in a base-ten system using place value, digits 0-9 and groups of ten.
4. Numbers and expressions can be represented in an infinite number of ways to show equivalence.
5. Numbers, objects, expressions, and measures can be compared to themselves and others in numerous ways.
6. Operations of addition and subtraction can be interpreted in numerous ways and related to other operations.
7. Properties are the rules of mathematics.
8. There are multiple strategies for problem solving when using the relationship between numerical operations.
9. Real-world situations can be represented using variables, operations, and numbers.
10. Math expressions and equations can be used to represent patterns and relationships.
11. Two- and Three-Dimensional shapes can be described and classified by their attributes.
12. Objects can be measured in standard and non-standard units.
13. Data can be represented and analyzed using tables, charts, and graphs.
14. Math content and processes can be used to solve problems.

Essential Questions

15. What are ways to think about addition and subtraction?
16. What strategies can you use while adding and subtracting?
17. What strategies can you use for adding to 20?
18. What strategies can you use while subtracting?
19. How can adding and subtracting help you solve or complete equations?
20. What are some ways you can collect, show, and understand data?
21. How can you use what you already know about counting to count past 100?

22. How can you count and add using tens and ones?
23. What are ways to compare numbers to 120?
24. What are ways to use tens and ones to add?
25. How can I use what I know about subtraction to subtract tens?
26. What are ways to measure how long an object is?
1. What are the values of coins, and what are some different ways to tell time?
2. How can you define shapes and compose new shapes?
3. What are some different names for equal shares?

Primary Resource(s) & Technology:

Envision Mathematics, IXL online software,

Microsoft Teams, Promethean Boards, Student Laptops/iPads

Pennsylvania and/or focus standards referenced at:

www.pdesas.org

www.education.pa.gov

Big Ideas/EQs	Focus Standard(s)	Assessed Competencies (Key content and skills)	Timeline
2, 4, 6, 8, 9, 14, 15, 16, 17	CC.2.2.1.A.1	• Topic 1: Understand Addition and Subtraction • Topic 2: Fluently Add and Subtract within Ten • Topic 3: Addition Facts to 20	Topic 1: 12 Days Topic 2: 12 Days Topic 3: 12 Days Total:36 Days

2, 4, 6, 8, 9, 14, 18, 19	CC.2.2.1.A.2	• Topic 4: Subtraction Facts to 20 • Topic 5: Work with Addition and Subtraction Equations	Topic 4: 12 Days Topic 5: 10 Days Total: 22 Days
5, 13, 14, 20	CC.2.4.1.A.4	• Topic 6: Represent and Interpret Data	Topic 6: 8 Days
1, 2, 3, 4, 10, 14, 21	CC.2.1.1.B.1	• Topic 7: Extend the Counting Sequence	Topic 7: 10 Days
1, 2, 3, 4, 5, 10, 14, 22, 23	CC.2.1.1.B.2	• Topic 8: Understand Place Value • Topic 9: Compare Two-Digit Numbers	Topic 8: 10 Days Topic 9: 9 Days Total: 19 Days
1, 2, 3, 4, 6, 8, 11, 14, 24, 25	CC.2.1.1.B.3	• Topic 10: Use Models and Strategies to Add Tens and Ones • Topic 11: Use Models and Strategies to subtract 10	Topic 10: 12 Days Topic 11: 10 Days

			Total: 22 Days
1, 5, 12, 14, 26	CC.2.4.1.A.1	• Topic 12: Measure Lengths	Topic 12: 6 Days
1, 5, 12, 14, 27	CC.2.4.1.A.2	• Topic 13: Time and Money	Topic 13: 9 Days
5, 11, 14, 28	CC.2.3.1.A.1	• Topic 14: Reason with Shapes and their Attributes	Topic 14: 12 Days
4, 5, 11, 14, 29	CC.2.3.1.A.2	• Topic 15: Equal Shares of Circles and Rectangles	Topic 15: 5 Days