

Curriculum Map

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| Subject: MATH | Grade: 5 | Academic Year: |
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| Time Frame | Topic | Content | Resources | Assessments | Standards |
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|-----------|--|--|--|---|---|
| September | Intro to Grade 5 Math Place Value | <ul style="list-style-type: none"> ● Learn student math profiles; attitudes towards math and current math abilities ● Review of basic math facts in multiplication short cuts ● Intro to math games and manipulatives in the classroom ● Intro to math curriculum materials ● Reviewing the value of whole digits ● Learning the value of digits in the tenths and hundredths ● Learning the value of digits in the thousandths ● Expressing decimal place value words ● Comparing and ordering decimals ● Solving problems by looking for patterns with decimal numbers | Envision student/teacher textbooks; Envision student/teacher workbooks; Pearson Envision online program; supplemental math projects binder; math manipulatives and games | Formative: Student Math interest inventory; math games; Dry erase paddle parade; oral group “quiz” for raffle tickets; exit tickets; individual conferences; review games; place value games Summative: Math About You project; Placement Test; Basic-Facts Timed Test; Quick check quizzes; comparing | 5.NBT.1, 5.NBT.3, 5.NBT.3.a, 5.NBT.3.b |
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| | | |
|----------------------|-----------------|-----------------------|
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| | | | | decimals quilt art; topic 1 test | |
| October | Adding and Subtracting Decimals Multiplying Whole Numbers | <ul style="list-style-type: none"> ● Use compensation, the commutative and associative properties to mentally add decimals ● Rounding whole numbers and decimals up to the thousandths ● Estimating the sums and differences of decimals ● Modeling addition and subtraction of decimals ● Solving problems by writing and solving equations ● Adding decimals to the exact sum ● Subtracting decimals to the exact difference ● Solving multiple-step word problems with decimal numbers ● Learning commutative and associative properties of multiplication | Envision student/teacher textbooks; Envision student/teacher workbooks; Pearson Envision online program (for interactive student videos and quizzes; and also for teacher assessment materials); supplemental math projects binder; play money manipulatives | Formative: Dry erase paddle parade; oral group “quiz” for raffle tickets; exit tickets; individual conferences; topic team center activities; review games Summative: Quick check quizzes; topic 2 test; Resort Report multiplication project; topic 3 test | 5.NBT.4; 5.NBT.7; 5.NBT.2; 5.NBT.5; 5.NBT.6; 5.OA.1; 5.OA.2 |

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| | | <ul style="list-style-type: none"> Using mental math to multiply digits ending in 0 Estimating products by using compatible numbers and rounding methods Learning about exponents; exponential form, standard form and expanded form; also squared and cubed Learning the distributive property of multiplication Multiplying by 1 digit numbers, 2-digit x 2-digit numbers, and 2-digit x greater numbers Solving word problems using multiplication and writing equations | | | |
| November | Dividing by 1-Digit Divisors Dividing by 2-Digit Divisors | <ul style="list-style-type: none"> Dividing by multiples of 10 and 100 by using mental math and basic division facts | Envision student/teacher textbooks; Envision student/teacher workbooks; Pearson | Formative: Dry erase paddle parade; Oral group "quiz" for raffle tickets; exit | 5.NBT.6 |

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| | | <ul style="list-style-type: none"> • Estimating quotients using rounding and compatible numbers methods • Solving division word problems using strategies based on reasonableness • Using models and symbols in division • Dividing by 1-digit divisors • Dividing by 1-digit divisors with zeros in the quotient • Solving word problems using division and writing equations • Using patterns to divide • Estimating quotients with 2-digit divisors • Using models and symbols to divide • Dividing by multiples of 10 | Envision online program (for interactive student videos and quizzes; and also for teacher assessment materials); supplemental math projects binder; manipulatives | tickets; individual conferences; topic team center activities; review games Summative: Quick check quizzes; topic 4 test | |
| December | Dividing by 2-Digit Divisors cont. | <ul style="list-style-type: none"> • Estimating and dividing with greater numbers • Learning strategies to solve word problems with missing or | Envision student/teacher textbooks; Envision student/teacher | Formative: Dry erase paddle parade; Oral group “quiz” for | 5.NBT.6 |

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| | | |
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| | | extra information; to identify missing or extra information | workbooks; Pearson Envision online program (for interactive student videos and quizzes; and also for teacher assessment materials); supplemental math projects binder; manipulatives | raffle tickets; exit tickets; individual conferences; topic team center activities; review games Summative: Quick check quizzes; topic 5 test; Movie Marathon Long Division Project | |
| January | Multiplying Decimals Dividing Decimals | <ul style="list-style-type: none"> • Multiplying decimals by 10, 100, and 1,000 • Estimating the product of a decimal and whole number • Using number sense to multiply decimals • Multiplying decimals using models (hundredths grids) • Multiplying a decimal by a whole number | Envision student/teacher textbooks; Envision student/teacher workbooks; Pearson Envision online program (for interactive student videos and quizzes; and also for teacher | Formative: Dry erase paddle parade; Oral group “quiz” for raffle tickets; exit tickets; individual conferences; topic team center activities; review games | 5.NBT.1, 5.NBT.2, 5.NBT.7 |

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| | | <ul style="list-style-type: none"> • Multiplying two decimals • Solving multi-step problems • Dividing decimals by 10, 100, and 1,000 • Estimating decimal quotients • Using number sense to divide decimals • Dividing a decimal by a whole number • Dividing a whole number by a decimal • Dividing a decimal by a decimal • Solving multi-step word problems | assessment materials); supplemental math projects binder; manipulatives | Summative: Quick check quizzes; topic 6 test; topic 7 test | |
| February | Numerical Expressions, Patterns, and Relationships | <ul style="list-style-type: none"> • Writing algebraic expressions • Evaluating expressions using the order of operations • Simplifying expressions • Solving addition and subtraction expressions • Solving multiplication and division expressions | Envision online program (for interactive student videos and quizzes; and also for teacher assessment materials); supplemental math | Formative: Dry erase paddle parade; Oral group “quiz” for raffle tickets; exit tickets; individual conferences; topic team center | 5.OA.1, 5.OA.2, 5.OA.3 |

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| | | <ul style="list-style-type: none"> • Finding patterns and extending tables • Solving word problems by acting it out and using reasoning | projects binder; manipulatives | activities; review games Summative: Quick check quizzes; algebraic expressions and order of operations quiz; topic 8 test | |
| March | Adding and Subtracting Fractions | <ul style="list-style-type: none"> • Finding equivalent fractions • Writing fractions in simplest form • Writing to explain how you solved problems • Estimating sums and differences of fractions • Finding common multiples and the least common multiple • Finding common denominators • Adding fractions with unlike denominators | Envision student/teacher textbooks; Envision student/teacher workbooks; Pearson Envision online program; supplemental math projects binder; math manipulatives and games | Formative: Dry erase paddle parade; Oral group “quiz” for raffle tickets; exit tickets; individual conferences; topic team center activities; review games Summative: | 5.NF.1, 5.NF.2 |

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| | | <ul style="list-style-type: none"> Solving word problems by drawing a picture and writing an equation | | Quick check quizzes; topic 9 test | |
| April | Adding and Subtracting Mixed Numbers | <ul style="list-style-type: none"> Converting improper fractions and mixed numbers Estimating sums and differences of mixed numbers Modeling addition and subtraction of mixed numbers with fraction rectangles Adding mixed numbers Subtracting mixed numbers Solving word problems by drawing a picture and writing an equation | Envision online program (for interactive student videos and quizzes; and also for teacher assessment materials); supplemental math projects binder; manipulatives | Formative: Dry erase paddle parade; Oral group “quiz” for raffle tickets; exit tickets; individual conferences; topic team center activities; review games Summative: Quick check quizzes; topic 10 test | 5.NF.1; 5.NF.2 |
| May | Multiplying and Dividing Fractions and Mixed Numbers | <ul style="list-style-type: none"> Representing fractions as division and division as fractions | Envision online program (for interactive student videos and quizzes; | Formative: Dry erase paddle parade; Oral group “quiz” for | 5.NF.3; 5.NF.4; 5.NF.4.a; 5.NF.4.b; |

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| | | |
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| | | <ul style="list-style-type: none"> • Multiplying fractions and whole numbers • Multiplying two fractions • Finding the area of a rectangle • Multiplying mixed numbers • Representing multiplication as scaling • Solving multi-step word problems • Dividing whole numbers by unit fractions • Dividing unit fractions by whole numbers • Solving word problems by drawing a picture and writing an equation | and also for teacher assessment materials); supplemental math projects binder; manipulatives | raffle tickets; exit tickets; individual conferences; topic team center activities; review games Summative: Quick check quizzes; topic 11 test | 5.NF.5; 5.NF.5.a; 5.NF.5.b; 5.NF.6; 5.NF.7; 5.NF.7.a; 5.NF.7.b; 5.NF.7.c |
| June | Volume of Solids | <ul style="list-style-type: none"> • Identifying three-dimensional shapes according to vertices, faces, and edges • Identifying different views of a solid | Envision online program (for interactive student videos and quizzes; and also for teacher assessment materials); | Formative: Dry erase paddle parade; Oral group “quiz” for raffle tickets; exit tickets; individual conferences; | 5.MD.3; 5.MD.3.a; 5.MD.3.b; 5.MD.4; 5.MD.5; 5.MD.5.a; 5.MD.5.b; |

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| | | <ul style="list-style-type: none"> • Solving word problems by breaking the problem apart into simpler problems • Finding the volume of rectangular solids • Finding the volume of rectangular prisms • Finding the volume of irregular solids • Solving word problems using objects and acting it out | supplemental math projects binder; manipulatives | topic team center activities; review games Summative: Quick check quizzes; topic 12 test | 5.MD.5.c |
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