

Huron School District

Core Curriculum Guide

Grade Level: **4th**

Content Area: **Math**

Unit Title: **Understand Whole Numbers and Operations**

Month(s): **August, September, October**

Content Standards:

- **4N3.1; 4N1.1; 4A3.1; 4A1.3**
- **4A1.2; 4A2.1; 4A2.2; 4A4.1**
- **4A1.1**

Essential Questions:

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Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?
<ul style="list-style-type: none">• To read, write, and identify the place value of whole numbers through hundreds millions.	<ul style="list-style-type: none">• Digit• Period• Millions	<ul style="list-style-type: none">• Group Work• Daily Work• Quizzes• Observation• Discussion with student(s)• Review Games• Projects• CGI• IXL• Pre-Test• Test• NWEA• Accelerated Math• Title staff

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<ul style="list-style-type: none"> • To round whole numbers to a given place value. • Select appropriate relational symbols to make number sentences true. 	<ul style="list-style-type: none"> • Estimate • Sum • Differences • Front-end Estimation • Round • Greater Than • Less Than • Equal To • Compare • Symbols • Number Sentences 	<ul style="list-style-type: none"> • Group Work • Daily Work • Quizzes • Observation • Discussion with student(s) • Review Games • Projects • CGI • IXL • Pre-Test • Test • Accelerated Math • Title staff
<ul style="list-style-type: none"> • To use number lines and place value to compare numbers • To write and evaluate addition and subtraction expressions • To keep an equation equal by adding the same amount to both sides • To find a rule and show the rule by writing an equation with variables • Simplify whole number expressions in addition and subtraction 	<ul style="list-style-type: none"> • Place Value • Number Lines • Greater Than • Less Than • Table • Solve • Variable • Expression • Commutative Property • Associative Property • Identify Property • Equal • Equation • Balance • Input • Output • Patterns • Sequence • Addition • Subtraction 	<ul style="list-style-type: none"> • Group Work • Daily Work • Quizzes • Observation • Discussion with student(s) • Review Games • Projects • CGI • IXL • PreTest • Test • Accelerated Math • Title staff

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Grade Level: **4th**

Content Area: **Math**

Unit Title: **Time, Multiplication, Line Plot, Median, Mode, and Range**

Month(s): **November**

Content Standards:

- **4M1.1**
- **4S1.1**
- **4S1.2**
- **4N2.1**

Essential Questions:

Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?
<ul style="list-style-type: none">• Students will be able to name and find equivalent periods of time and solve problems• To read organize data in bar graph, line graph, pictograph, and line plot.• To find median, mode, and range of a set of data.	<ul style="list-style-type: none">• Time• Hour• Quarter Hour• Minute• Century• Decade• Seconds• Elapsed Time• Week• Year• Months• Line Plot• Mean• Median• Mode• Range	<ul style="list-style-type: none">• Group Work• Daily Work• Quizzes• Observation• Discussion with student(s)• Review Games• Projects• CGI• IXL• Pre-Test• Test• NWEA• Accelerated Math• Title staff

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Grade Level: **4th**

Content Area: **Math**

Unit Title: **Using Multiplication and Division**

Month(s): **December**

Content Standards:

- **4N1.2**
- **4N2.1**
- **4A1.3**

Essential Questions:

Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?
<ul style="list-style-type: none">• Students are able to find multiples of the numbers 1 through 12.• To multiply 2 digit numbers by 2 digit numbers.	<ul style="list-style-type: none">• Multiplication• Division• Quotient• Dividend• Divisor• Fact Family	<ul style="list-style-type: none">• Group Work• Daily Work• Quizzes• Observation• Discussion with student(s)• Review Games• Projects• CGI• IXL• Pre-Test• Test• NWEA• Accelerated Math• Title staff

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Grade Level: **4th**

Content Area: **Math**

Unit Title: **Patterns, Dividing, and Fractions**

Month(s): **January**

Content Standards:

- **4A1.3, 4N2.1, 4A1.3**

Essential Questions:

Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?
<ul style="list-style-type: none">• To use basic facts and patterns to find quotients.• To divide 2 digit by 1 digit.• To compare and order fractions and mixed numbers.	<ul style="list-style-type: none">• Quotient• Dividend• Divisor• Numerator• Denominator• Whole Number• Mixed Number• Part• Whole• Fact Families• Half	<ul style="list-style-type: none">• Group Work• Daily Work• Quizzes• Observation• Discussion with student(s)• Review Games• Projects• CGI• IXL• Pre-Test• Test• NWEA• Accelerated Math• Title staff

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Grade Level: **4th**

Content Area: **Math**

Unit Title: **Money, Measurement, and Decimals**

Month(s): **February**

Content Standards:

- **4N1.2, 4M1.3, 4N2.2,**
- **4M1.4, 4N1.1**

Essential Questions:

Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?
<ul style="list-style-type: none">• To solve problems involving money including unit conversion.• To use appropriate measurement units and tools for measuring length, temperature, capacity, and weight.• Measure length to nearest quarter inch.• To compare order decimals.• To find the sum and differences of decimal problems.	<ul style="list-style-type: none">• Inch• Feet• Yard• Mile• Ruler• Tape Measure• Standard• Capacity• Gallon• Quart• Pint• Cup• Pound• Ton• Ounces• Degrees• Thermometer• Interval• Fahrenheit	<ul style="list-style-type: none">• Group Work• Daily Work• Quizzes• Observation• Discussion with student(s)• Review Games• Projects• CGI• IXL• Pre-Test• Test• NWEA• Accelerated Math• Title staff

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Grade Level: **4th**

Content Area: **Math**

Unit Title: **Figures and Lines**

Month(s): **March**

Content Standards:

- **4G1.1, 4G1.2, 4G2.1**
- **4G2.2**

Essential Questions:

Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?
<ul style="list-style-type: none">• To identify plane and solid figures.• To identify parallel, perpendicular, and intersecting lines.• To compare (find likeness/differences) geometric figures in terms of size, shape, orientation, congruence, and similarity.• To recognize a figure that has been moved from one position to another without flipping or turning as a slide.	<ul style="list-style-type: none">• Degrees• Angles• Volume• Solid Figures• Area• Perimeter• Parallel• Perpendicular• Intersecting• Congruence• Similarity• Reflection• Rotation	<ul style="list-style-type: none">• Group Work• Daily Work• Quizzes• Observation• Discussion with student(s)• Review Games• Projects• CGI• IXL• Pre-Test• Test• NWEA• Accelerated Math• Title staff

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Grade Level: **4th**

Content Area: **Math**

Unit Title: **Equally Likely, Not Equally Likely, Decimals**

Month(s): **April/May**

Content Standards:

- **4S2.1, 4N1.4, 4N2.2**

Essential Questions:

Skills Students Will Be Able To...	Essential Vocabulary	Assessment How will you know if students have learned?
<ul style="list-style-type: none">• To predict outcomes using equally likely or not equally likely.• To be able to read a thermometer and tell difference between positive and negative integers in temperature.• Students are able to add and subtract decimals.	<ul style="list-style-type: none">• Degrees Fahrenheit Degrees• Integers• Negative• Positive• Equally Likely• Not Equally Likely• Decimals• Decimal Point	<ul style="list-style-type: none">• Group Work• Daily Work• Quizzes• Observation• Discussion with student(s)• Review Games• Projects• CGI• IXL• Pre-Test• Test• NWEA• Accelerated Math• Title staff