



LINCOLN-WOODSTOCK COOPERATIVE SCHOOL DISTRICT COURSE SYLLABUS

Grade: 5

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Description: This syllabus provides an overview of each of the major subject areas taught in 3rd grade. For each subject area, the sequence of units/modules and aligned essential questions/enduring understandings and academic standards are provided.

Learning Outcomes:

In addition to the ELA, math, science, and social studies standards documented below, 5th graders are also actively working toward our Portrait of a Learner competencies reflected in our 3-5 Portrait of a Learner rubrics:

- 3-5 Independent Learner
- 3-5 Responsible Collaborator
- 3-5 Effective Communicator
- 3-5 Critical Thinker
- 3-5 Global Citizen

Anchor Texts or Major Curriculum:

- Eureka Math Squared - Math
- Wit and Wisdom

MATH		
Unit Title	Essential Question or Overarching Understanding	Standards or Competencies Assessed
Module 1: Place Value Concepts for Multiplication and Division with Whole Numbers	Topic A: Place Value Understanding for Whole Numbers Topic B: Multiplication of Whole Numbers Topic C: Division of Whole	Topic A: 5.NBT, 5.NBT.A.1, 5.NBT.A.2, 5.MD.A.1 Topic B: 5.OA.A.1, 5.NBT.B.5

	<p>Numbers</p> <p><u>Topic D:</u> Multi-Step Problems with Whole Numbers</p>	<p><u>Topic C:</u> 5.NBT, 5.NBT.B.6</p> <p><u>Topic D:</u> 5.OA.A.1, 5.OA.A.2, 5.NBT</p>
Module 2: Addition and Subtraction with Fractions	<p><u>Topic A:</u> Fractions and Division</p> <p><u>Topic B:</u> Addition and Subtraction of Fractions by Making Like Units</p> <p><u>Topic C:</u> Addition and Subtraction of Fractions, Whole Numbers, and Mixed Numbers</p> <p><u>Topic D:</u> Problem Solving and Line Plots with Fractional Measurements</p>	<p><u>Topic A:</u> 5.NF.A, 5.NF.B.3</p> <p><u>Topic B:</u> 5.NF.A, 5.NF.A.1</p> <p><u>Topic C:</u> 5.NF.A, 5.NF.A.1, 5.NF.A.2,</p> <p><u>Topic D:</u> 5.NF.A.2, 5.MD.B.2</p>
Module 3: Multiplication and Division with Fractions	<p><u>Topic A:</u> Multiplication of a Whole Number by a Fraction</p> <p><u>Topic B:</u> Multiplication of Fractions</p> <p><u>Topic C:</u> Division with a Unit Fraction and a Whole Number</p> <p><u>Topic D:</u> Multi-Step Problems with Fractions</p>	<p><u>Topic A:</u> 5.NF.B.4, 5.NF.B.4.a, 5.NF.B.5a, 5.NF.B.5, 5.NF.B.5b, 5.MD.A.1</p> <p><u>Topic B:</u> 5.NF.B.4, 5.NF.B.4.a, 5.NF.B.5a, 5.NF.B.5b,</p> <p><u>Topic C:</u> 5.OA.A.2, 5.NF.B.6, 5.NF.B.7.a, 5.NF.B.7.b, 5.NF.B.7.c</p> <p><u>Topic D:</u> 5.OA.A.1, 5.OA.A.2, 5.NF, 5.NF.B.6, 5.NF.B.7.a, 5.NF.B.7.b, 5.NF.B.7.c</p>
Module 4: Place Value Concepts for Decimal Operations	<p><u>Topic A:</u> Understanding Decimal Numbers with Place Value and Fraction Thinking</p> <p><u>Topic B:</u> Addition and Subtraction of Decimal Numbers</p> <p><u>Topic C:</u> Multiplication of Decimal Numbers</p> <p><u>Topic D:</u> Division of Decimal Numbers</p> <p><u>Topic E:</u> Applications of Decimals</p>	<p><u>Topic A:</u> 5.NBT.A, 5.NBT.A.1, 5.NBT.A.2, 5.NBT.A.3, 5.NBT.A.3.a, 5.NBT.A.3.b, 5.NBT.A.4</p> <p><u>Topic B:</u> 5.NBT.B.5.5. NBT.B.7</p> <p><u>Topic C:</u> 5.NBT.B, 5.NBT.B.7</p> <p><u>Topic D:</u> 5.NBT.B, 5.NBT.B.7</p> <p><u>Topic E:</u> 5.OA.A.1, 5.OA.A.2,</p>

		5.MD.A.1
Module 5: Addition and Multiplication with Area and Volume	Topic A: Drawing, Analysis, and Classification of Two-Dimensional Figures Topic B: Areas of Rectangular Figures with Fraction Side Lengths Topic C: Volume Concepts Topic D: Volume and the Operations of Multiplication and Addition	Topic A: 5.G.B.3, 5.G.B.4 Topic B: 5.NF.B.4, 5.NF.B.4.b, 5.NF.B.6, Topic C: 5.MD.C.3, 5.MD.C.3a, 5.MD.C.3b, 5.MD.C.4, Topic D: 5.MD.C.5, 5.MD.C.5.a, 5.MD.C.5.b, 5.MD.C.5.c
LITERACY		
Unit Title	Essential Question or Overarching Understanding	Standards or Competencies Assessed
Wit and Wisdom Module 1: Cultures in Conflict	How do cultural beliefs and values guide people?	RL.5.3, RL.5.9, RL.5.10 RI.5.2, RI.5.3, RI.5.10 W.5.2, W.5.4 SL.5.1.b L.5.1.a, L.5.2.d, L.5.3.a, L.5.5a, L.5.6
Wit and Wisdom Module 2: Word Play	How and why do writers play with words?	RL.5.1, RL.5.2, RL.5.4, RL.5.5, RL.5.7, RL.5.10 W.5.3, W.5.4, W.5.5 SL.5.4, SL.5.6 L.5.1.a, L.5.2.b, L.5.2.c, L.5.3.a, L.5.4.a, L.5.4.c, L.5.5.b, L.5.6
Wit and Wisdom Module 3: A War Between Us	How did the Civil War impact people?	RL.5.6, RL.5.1, RL.5.10 RI.5.4, RI.5.6, RI.5.8, RI.5.1, RI.5.10 W.5.1, W.5.4, W.5.5, SL.5.1.a, SL.5.1.c, SL.5.2, SL.5.3, L.5.1.b, L.5.1.c, L.5.1.d L.5.3.b, L.5.4.a, L.5.4.b, L.5.5.a
SCIENCE		

Unit Title	Essential Question or Overarching Understanding	Standards or Competencies Assessed
Web of Life	Students explore how consumers, producers, and decomposers each play an important role in ecosystems. They build models of food chains and food webs to investigate how matter and energy flow through these systems. Students discover that matter cycles between non-living and living components of the environment and consider ways that we can protect those environments.	<ul style="list-style-type: none"> • 5-ESS3-1 • 5-LS1-1 • 5-LS2-1 • 5-PS3-1
Watery Planet	Students consider the profound importance of water as a natural resource. Students investigate the distribution of fresh water and salt water on Earth. They explore how water cycles through Earth's systems, investigating how the hydrosphere and atmosphere interact. Students also consider how water affects human societies and design solutions to mitigate the effects of weather-related natural hazards.	<ul style="list-style-type: none"> • 3-5-ETS1-1 • 3-5-ETS1-2 • 3-3-ETS1-3 • 5-ESS2-1 • 5-ESS2-2 • 5-ESS3-1 • 5-PS1-2
Spaceship Earth	Students explore patterns of the Earth, Sun, Moon, and stars. They investigate how shadows change throughout the day, how the Sun's position changes throughout the year, and	<ul style="list-style-type: none"> • 5-ESS1-2

	how stars change throughout the seasons. They also create Earth, Sun, and Moon models to explore Moon patterns.	
Stars & Planets	Students explore our solar system! They investigate how bright the Sun appears from each planet in our solar system, in addition to stars of other solar systems in galaxies far away. They also investigate gravity on Earth and gravity on other planets to discover patterns of this incredible force.	<ul style="list-style-type: none"> • 5-ESS1-1 • 5-PS2-1
Chemical Reactions & Properties of Matter	Students investigate the properties of matter by dissolving everyday chemicals to make solutions and by exploring simple yet surprising chemical reactions. Through these investigations, students begin to build conceptual models for the particulate nature of matter.	<ul style="list-style-type: none"> • 5-PS1-1 • 5-PS1-2 • 5-PS1-3 • 5-PS1-4
SOCIAL STUDIES		
Unit Title	Essential Question or Overarching Understanding	Standards or Competencies Assessed
Geography	How do physical and human characteristics of places shape civilizations, culture, and daily life?	D2.Geo.2.3-5 D2.Geo.3.3-5 D2.Geo.4.3-5 D2.Geo.5.3-5
Age of Explorers	Why do people explore, and what happens when cultures collide?	D2.Geo.7.3-5 D2.Geo.8.3-5 D2.His.1.3-5 D2.His.3.3-5 D2.His.6.3-5

		Geo integration Econ integration
Colonization	How did the arrival of Europeans in North America change life for both the explorers and indigenous peoples?	D2.Geo.7.3-5 D2.Geo.8.3-5 D2.His.1.3-5 D2.His.3.3-5 D2.His.6.3-5 D2.Eco.15.3-5
Revolutionary War	Was the American Revolution a “radical” revolution, or just a change in leadership?	D2.His.9.3-5 D2.His.10.3-5 D2.His.14.3-5 D2.Civ.5.3-5 D2.Civ.2.3-5 D2.Civ.4.3-5
Westward Expansion	How did Westward Expansion impact the environment and various groups of people, including Native Americans and settlers?	D2.Geo.3.3-5 D2.Geo.4.3-5 D2.Geo.5.3-5 D2.Geo.6.3-5 D2.Geo.7.3-5 D2.Geo.8.3-5
Civil War	How did deep-rooted differences between the North and South divide the nation and lead to the Civil War?	D2.His.1.3-5 D2.His.4.3-5 D2.His.5.3-5 D2.His.6.3-5 D2.His.14.3-5

Portrait of a Learner

Independent Learner

I make thoughtful plans and do my best to reach personal goals using feedback to work through challenges.

Responsible Collaborator

I work with others to achieve shared goals by listening actively, contributing ideas, and managing conflict.

Critical Thinker

I analyze information, ask thoughtful questions, and apply reasoning skills to solve problems and make decisions.

Effective Communicator

I express ideas clearly, adapting strategies based on the audience, setting, and/or purpose.

Global Citizen

I show that I care and take responsibility by helping in my community and the world around me.