

Hackley School – Lower School Curriculum Chart 2024-2025

	K	1	2	3	4
Literacy	Exploring Genres: Fiction, Nonfiction & Poetry Developing Partnerships in Reading & Writing Focus on Strategy: print, spelling, decoding, pictures, retelling, fluency Using dialogue & expression Building stamina Story elements Letter formation	Exploring Genres: Fiction, (series), Nonfiction & Poetry Writing process Personal narrative Story Elements Focus on Strategy: spelling, decoding, predicting, rereading, fluency, phrasing, stamina, connecting, revision, inferring, context clues Character clubs & traits Letter formation	Exploring Genres: Personal Narrative, Fiction, Traditional Literature, Nonfiction & Poetry Focus on Strategy: word attack, fluency, stamina, spelling patterns, inferring, summarizing, context clues, character traits, text-to-self connections Writing mechanics and Writing process Author Studies Growing a Sense of Language & Craft (dialogue, sensory images, vivid words, grammar) Letter Formation & Cursive	Exploring Genres: Realistic Fiction, Historical Fiction, Biography, Mystery Writing Focus: grammar, mechanics, spelling patterns, responding to prompts, vocabulary. Units could include: narrative, nonfiction, mystery Focus on Strategy: character traits, point of view, theme, text-to-text and text-to-world connections, passage of time, compare/contrast, context clues, inferring, analyzing, and synthesizing text Cursive	Exploring Genres: Realistic Fiction, Historical Fiction, Biography, Poetry, Fantasy Writing Focus: grammar, mechanics, spelling, responding thoroughly to prompts, and using technology and other academic tools to grow as writers through the writing process Focus on Strategy: inferring, determining importance, compare/contrast, theme, synthesize, analyze, drawing conclusions, note-taking and annotating
Social Studies	<i>Self, My Family and Others</i> Classroom community Self-management, communication, friendship, conflict resolution responsible classroom citizens Self as a learner: growth mindset Self as part of a family: traditions & structure Prominent changemakers in history Courage Me in a Community Community Helpers	<i>My Community and Global Communities</i> Classroom community Geography: maps & map skills Communities: Sense of self, class community, Urban, Suburban, Rural Communities Sustainability: environment, healthy eating, farm to table, caring for our community Holidays and traditions Changemakers in history	<i>World Geography and Communities</i> Classroom community Geography: maps & map skills Intro to World Geography Self, culture & tradition Intro to World Communities Exploration of the continents and focusing on countries within Research & writing skills	<i>Development of U.S Community</i> Classroom community Geography: maps & map skills Importance of Shared Experiences in Community Development Indigenous Peoples of North America European Colonization and its Impact on Indigenous Peoples Migration: Free and Forced Introduction to Colonial America Evolution of Human Rights in the U.S. Sequencing & Chronology Skills Dictionary/Glossary/Index Skills Using Digital Databases for Research Note-taking for Research	<i>American History & Its Impact on Present-Day Community</i> Classroom Community Regional Characteristics of 13 British Colonies and Backcountry The American Revolution The U.S. Constitution and the Early Republic Westward Expansion American Civil War and Reconstruction The Gilded Age The World Wars and The Great Migration Human Rights Reading for Information Note-Taking and Annotating Critical Thinking Document Analysis
Math	Number recognition to 100 Addition and Subtraction to 20 Geometry: Shapes and patterns Graphing Estimation Using the calendar Ordinal Numbers Number words, Number Bonds Sorting Money Measurement Mental Math Competency	Place Value of Numbers to 120 Addition and subtraction within 100 Ordinal Numbers and Positions Geometry(Identifying, Sorting and Composing Shapes) Equal Parts(Halves,Fourths) Length and heights Time, Data/Graphs, Money Multi-step word problems Mental Math Competency	Place Value of Numbers to 1,000 Addition and Subtraction within 1000 (Regrouping) Concrete Pictorial Approach Compensation & Sequencing Strategies Multiplication (2,3,4,5,10) and division Multi-step word problems Fractions(Thirds/Sixths/Eighths) Geometry (Build/Draw/Sort Shapes) Time, Data/Graphs, Money Length, Weight, Capacity Mental Math Competency	Place Value of Numbers to 10,000 Addition and Subtraction to 1000 (Estimating sums/differences) Multiplication And Division Patterns Multiplication Tables of 6,7,8,9 Fractions(Equivalent Fractions,Comparing Fractions) Geometry: Polygons, Area, Perimeter Multi-step word problems Use of Models to Analyze Problems Data Mental Math Competency	Place Value of Numbers to 1,000,000 Multiplication and division of whole numbers by 1 and 2 digit factors Pictorial Algebra Use of Models to Analyze Problems Complex Multi-Step Problems Geometry (Angle Measurements, Area and Perimeter of Irregular Shapes) Spatial Problem Solving (Symmetry) Fractions (Adding/Subtracting) Decimals Four Operations with Decimals Mental Math Competency
Science/ Garden	Seeing ourselves as scientists through the lens of: “I wonder, I observe” Weather: Clouds and the water cycle, temperature, wind, seasons, climate Solar system: planets, the sun, the moon, stars, Earth's movements and patterns Healthy habits and the 5 senses Introduction to the scientific process: Making and recording observations Using science journals Sorting/ classifying based on one property Oceans: naming the 5 oceans, ocean zones, animals, and animal behavior	Wave Patterns Animals Animal research project Plants and Pollinators Making and recording observations Analyzing and interpreting data Identifying patterns Planning and conducting investigations Constructing explanations Developing and using models Working collaboratively	Trees and Plants Research project with Library: Trees of the Hackley Woods Insects Land Changes Matter Making and recording observations Analyzing and interpreting data Planning and conducting investigations Constructing explanations Engaging in argumentation from evidence	Matter Force and motion Work and simple machines Making and recording observations and predictions Analyzing and interpreting data Planning and conducting investigations Constructing explanations (claim/evidence/reasoning) Engaging in argumentation from evidence Measurement: mass, volume, length, width, and height	Measurement Electricity Owl pellet study Wolves/ecology Biodiversity project with Library and Technology Making and recording observations and predictions Analyzing and interpreting data Planning and conducting investigations Construction explanations (claim/evidence/reasoning) Engaging in argumentation from evidence Measurement: mass, volume, length, width, and height

Music	Winter Concert performance Cross divisional music/drama collaboration Steady beat Reading beginning music notation Pitch matching Beginning pitch identification and writing Introduction to all orchestra instruments	Winter Concert performance Flat Stanley Show Continue vocal development Expand vocal range Add more complex rhythm reading and writing Beginning composition exercises using Orff mallet instruments Review all orchestral instruments	Winter Concert performance Character Matters play Continue vocal development Further expand vocal range Add more complex rhythm reading and writing Orff mallet instruments Review instruments and prep for selection for third grade	Winter Concert performance Spanish Concert; singing in Spanish Singing in two-part harmony Learning to play tone chimes or a stringed instrument Identifying notes on the music staff Performing simple and complex rhythm patterns	Winter Concert performance Americana Play; intro to theater, memorizing lines, acting Singing in two/three part harmony Continuing study of tone chimes or string instruments Identifying notes on the music staff Performing increasingly complex rhythm patterns
Physical Education	Kindergarten activities promote student exploration and development of basic gross motor and manipulative skills. Kicking, throwing, catching and foot dribbling skills are introduced and practiced in learning activities and games. These activities also emphasize cooperation and good sportsmanship as well as lifelong fitness. Healthy habits such as safe play, following directions and proper use of equipment are also introduced. In the spring students participate in a 1 week swim unit.	First graders participate in activities that continue to focus on the development of gross motor skills, spatial awareness, hand-eye coordination, balance, agility and fitness. A cooperative game unit at the beginning of the school year encourages students to further develop working relationships with classmates through teamwork and cooperation. Additionally, kicking, throwing, catching and foot dribbling skills are re-introduced and practiced. Students finish the school year with a swim unit that challenges their physical abilities and encourages them to focus and persevere.	Second graders participate in daily physical education classes that engage students in more complex learning activities which have been designed to continue the development of motor skills, spatial awareness, hand-eye coordination, balance, agility and fitness. Students continue the tradition of beginning the school year with a unit in cooperative games. Second graders then transition to units such as circus-arts, basketball, floor hockey, soccer and other large group games. The swim unit is extended to two weeks with students spending more time improving the front crawl, backstroke and the breaststroke. The spirit of perseverance and good sportsmanship is emphasized.	After starting off the school year with cooperative games, third graders focus on combining good character and their skill sets in more complex and challenging activities. Students engage in a variety of units such as basketball, soccer, floor hockey, bowling, tumbling and circus arts. Pickleball and outdoor track units are added. Students participate in net, outdoor, bat and ball games. Students improve their swim skills in a two week unit that includes retrieving the 10 pound diving brick as well as treading water for at least 2 minutes. The spirit of perseverance and good sportsmanship is emphasized.	The tradition of beginning the school year with cooperative games continues for fourth graders. Students focus on strengthening their teamwork skills in activities that help prepare students for the all around transition to middle school. Familiar and new units such as lacrosse, ultimate, and badminton are added which continue to challenge students to apply new and mastered skills. Additionally the two week swim unit culminates the elementary school swim experience with added challenges such as underwater swimming and treading without hands for longer periods of time. Teamwork, cooperation, perseverance and good sportsmanship are emphasized.
Art Studio	Introduction to art tools, materials, and vocabulary Guided drawing Fine motor strengthening Color Pattern Texture Line Shape Negative and positive space Self-portraits	<i>Via a yearly theme, culminating in an end-of-year exhibit, students focus on foundations, vocabulary, concepts & techniques</i> Observational, contour, shading and imagination drawing, sketching, color theory, still life, cut and torn collage Learning through a variety of materials such as pencil, ink pens, colored pencils, crayons, oil pastels, tempera markers, watercolor, acrylic paint and gouache.	<i>Via a yearly theme, culminating in an end-of-year exhibit, students focus on foundations, vocabulary, concepts & techniques</i> Observational, contour, shading and imagination drawing, sketching, color theory, still life, cut and torn collage Learning through a variety of materials such as pencil, ink pens, colored pencils, crayons, oil pastels, tempera markers, watercolor, acrylic paint and gouache. Tree science & library collaboration Project based learning installation Paper sculpture	<i>Via a yearly theme, culminating in an end-of-year exhibit, students focus on foundations, vocabulary, concepts & techniques</i> Observational, contour, shading and imagination drawing, sketching, color theory, still life, cut and torn collage Learning through a variety of materials such as pencil, ink pens, colored pencils, crayons, oil pastels, tempera markers, watercolor, acrylic paint and gouache. Spanish folk art collaboration Graphic design poster project Step-by-step drawings	<i>Via a yearly theme, culminating in an end-of-year exhibit, students focus on foundations, vocabulary, concepts & techniques</i> Observational, contour, shading and imagination drawing, sketching, color theory, still life, cut and torn collage Learning through a variety of materials such as pencil, ink pens, colored pencils, crayons, oil pastels, tempera markers, watercolor, acrylic paint and gouache. Skill & Technique building Large scale Mixed media art Look and discuss art & artist series

Technology	Computer Literacy How to...Computer Basics Hold and use the mouse, simple keyboard usage, drag and drop activities Digital Citizenship Intro to the Digital Citizens Media balance, online safety, pause for people Intro to Programming Code.org Course A/Code & Go Mouse/Kodable Sequencing and Simple Loops	Computer Literacy Keyboarding Simple Google Intro, Keyboarding Choice Boards shared via Google Drive Digital Citizenship Digital Citizens Digital trails, appropriate site usage, Media balance, online safety Intro to Programming Scratch Jr Create Interactive animations to help understand Sequencing, Loops, Nested Loops, Multiple Events and Synchronization	Computer Literacy Intro to Google Google Slides Presentation Layout, Balance and Contrast, Animations and Transitions Digital Citizenship Be Internet Awesome with Pear Deck Internet safety; create great passwords, - sharing appropriately Programming Lego Spike Computational thinking, problem solving and engineering skills, teamwork and communication skills. Sequencing, Loops, Nested Loops, Intro to Control Elements, Multiple Events, and Synchronization. Movement from simple icon blocks to word blocks, motors and sensors	Computer Literacy Google Apps Google Slides, Keyboard shortcuts and use, Google Drive Digital Citizenship Be Internet Awesome with Pear Deck nternet safety; Identifying pop-ups and scams, Spotting untrustworthy information and Practicing safe searching Programming Scratch 3.0 Computational thinking, problem solving and engineering skills, teamwork and communication skills. Sequencing, Loops, Nested Loops, Control Elements, Multiple Events, Further Synchronization and introducing Sensing Elements, use of Variables and use of Operators. Full use of icon blocks.	Computer Literacy 1 Book Review (Library Collaboration) Writing a book review in Google Slides, adding review to library catalog, creating and presenting a Slides presentation. Computer Literacy 2 Biodiversity Video (Science & Library Collaboration) Record and edit a video in WeVide; transitions, organization, adding titles credits, music and SFX, choosing appropriate clips, green screen Programming Code.org Course D Computational thinking, problem solving and engineering skills, persistence, teamwork and communication skills. Full use of word blocks and begin debugging. Adding properties to sprites, using Conditional Statements (if, if/else), Sequencing, Loops, Nested Loops, While Loops, Until Loops, Control Elements, Multiple Events, Further Synchronization, Sensing Elements, Variables and Operators.
	Library Library Citizenship and Location Skills Library book sections: book identification, routines, book browsing, respectful check-out strategies Literature Book Care, Parts of a book, Formats (Picture Books, Young Readers, Non-Fiction, Independent Readers, Folktales), Fiction vs. Non-Fiction, Characters’ actions, feelings, friendship. Research and Information Literacy <i>Collaboration with Homerooms</i> Introduce reliable sources, Hackley LS Databases), Basic note paraphrasing.	Library Citizenship and Location Skills Library as a community: Self check-out, book suggestions & choices, Solve situations Literature Identify reading tastes, browsing strategies, analyze global folktales. Research and Information Literacy <i>Collaboration with Homerooms and Science (Animals of Westchester County)</i> Review LS Databases as reliable sources, Fact vs Opinion, Recognizing facts, Introduce index skills, Note organization and paraphrasing.	Library Citizenship and Location Skills Review routines and respectful community behaviors, Introduce self check-in/return, Book search in alphabetical order, biography. Literature Biography text features and character traits, Analyze picture books to determine fiction genres based on plot and illustration clues. Research and Information Literacy Print reference sources: Apply alphabetical order while searching topics, Understand encyclopedias are connected to databases. <i>Collaboration with Homerooms, Science, Art</i> Practice index skills, Review LS Databases as reliable sources, Note organization and paraphrasing, Skim/scan multiple sources for relevant information, Amended MLA Works Cited, Locate images ethically.	Library Citizenship and Location Skills Review routines and community behaviors, Decode spine labels from all collections and demonstrate where/how to locate any book, Dewey Decimal Classification introduced. Literature Independently place catalog holds, Further genre exploration: Identify genre elements within the Fic section, Fantasy vs. SciFi, Analyze Non-Fiction aisles and create signage for the community to navigate the library. Research and Information Literacy Catalog: Efficient title and author searches, Broad vs Narrow keyword searches, Develop synonyms for more effective searches. <i>Collaboration with Homerooms</i> Review LS Databases as reliable sources, Formulate and amend keyword search terms, Note organization and paraphrasing, Skim/scan multiple sources for relevant information, MLA Works Cited, Locate images ethically.	Library Citizenship and Location Skills Proficient location skills such as catalog search terms, locate book in results, decode call number, find it on the shelf. Cooperative small group work. Literature Write a book review, Elements of effective book review in written format (catalog) vs digital format (Google Slides). Research and Information Literacy Compare contrast search engines to LS Databases. <i>Collaboration with Homerooms</i> Formulate research topic, Corroborate information between sources for accuracy, Paraphrasing, MLA Works Cited, Locate images ethically. <i>Collaboration with Science and Technology</i> Group project: Analyze biodiversity articles, Cause/Effect, Formulate solutions, Write script to record via green screen, Works Cited, Locate images ethically.

Spanish				Communication Greeting and Leave-taking Identifying and Naming Describing Expressing Likes and Dislikes Making Simple Requests Asking and Answering Simple Questions Culture Introduction to celebrations and cultural practices Connections Understanding geographical diversity and environmental issues in Spanish-speaking countries Comparisons Compare basic linguistic structures and cultural elements between their own culture and those of Spanish-speaking countries	Communication Giving and Following Simple Directions Expressing Needs and Feelings Making Comparisons Conjugating Basic Verbs Discussing Daily Routines: Culture Deepen understanding of daily life and societal norms in various Spanish-speaking countries, including food, education, and family life Connections Strengthen interdisciplinary links by incorporating elements of history, geography, and art into the language learning process Comparisons Facilitate more detailed comparisons of linguistic nuances such as verb conjugations and use of formal vs. informal speech, as well as societal norms
Character Education/ Social Emotional Learning	Virtues Learn the 3-5 Hackley Virtues that we will emphasize throughout the year. Attend related assemblies. Social-Emotional Learning Engage in the Second Step program with developmentally appropriate lessons on - Growth Mindset - Goal Setting - Emotion Management - Empathy & Kindness - Problem Solving	Virtues Learn the 3-5 Hackley Virtues that we will emphasize throughout the year. Attend related assemblies. Social-Emotional Learning Engage in the Second Step program with developmentally appropriate lessons on - Growth Mindset - Goal Setting - Emotion Management - Empathy & Kindness - Problem Solving	Virtues Learn the 3-5 Hackley Virtues that we will emphasize throughout the year. Attend related assemblies. Social-Emotional Learning Engage in the Second Step program with developmentally appropriate lessons on - Growth Mindset - Goal Setting - Emotion Management - Empathy & Kindness - Problem Solving	Virtues Learn the 3-5 Hackley Virtues that we will emphasize throughout the year. Attend related assemblies. Social-Emotional Learning Engage in the Second Step program with developmentally appropriate lessons on - Growth Mindset - Goal Setting - Emotion Management - Empathy & Kindness - Problem Solving	Virtues Learn the 3-5 Hackley Virtues that we will emphasize throughout the year. Attend related assemblies. Social-Emotional Learning Engage in the Second Step program with developmentally appropriate lessons on - Growth Mindset - Goal Setting - Emotion Management - Empathy & Kindness - Problem Solving