

CBS Curriculum Alignment

Grade 1

Class Summary

Grade 1 marks the transition from play-based kindergarten to more structured academic learning. Students engage in systematic instruction that deepens their reading, writing, and mathematical understanding while maintaining developmentally appropriate, hands-on experiences that support active engagement and conceptual growth.

Core Objectives

- Develop reading fluency and comprehension through phonics-based instruction and exposure to various text types
- Master foundational writing skills including narrative, informative, and opinion writing with increasing detail and organization
- Build computational fluency in addition and subtraction within 20 and develop place value understanding to 120
- Explore scientific concepts including living/non-living organisms, plants, animals, weather, and energy
- Understand community roles, rules, relationships, and basic geographic concepts

Standards Alignment

Language Arts: Aligned to CCSS Reading Literature and Informational Text (RL.1.1-10, RI.1.1-10), Writing (W.1.1-3, W.1.5-8), Speaking and Listening (SL.1.1-6), and Language (L.1.1-2, L.1.4-6). Students distinguish fact from opinion, sequence events, write various genres, and develop descriptive vocabulary.

Mathematics: Aligned to CCSS 1.OA (Operations and Algebraic Thinking), 1.NBT (Number and Operations in Base Ten), 1.MD (Measurement and Data), and 1.G (Geometry). Students fluently add and subtract within 20, understand place value to 120, tell time, measure length, organize data, and reason with shapes.

Science: Aligned to NGSS standards including asking questions, developing models, and engaging in argument from evidence. Topics include nature of science, living things, plants and animals, Earth's surface, energy, sound, sky, weather, and seasons.

Social Studies: Aligned to C3 Framework emphasizing civic competence and inquiry. Students explore rules, family relationships, community helpers, neighborhoods, and maps while developing collaborative conversation skills (CCSS SL.1.1).

Grade 2

Class Summary

Grade 2 represents an important step in students' educational journey where learning becomes more structured and conceptually sophisticated. Students build upon Grade 1 foundations by engaging with more complex texts, developing stronger writing organization and voice, advancing mathematical problem-solving abilities, and conducting deeper scientific investigations into the natural world and physical properties.

Core Objectives

- Write across multiple genres including narratives with temporal sequencing, opinion pieces with supporting reasons, informational texts with facts, and instructional/explanatory paragraphs
- Develop fluency in addition and subtraction strategies, understand place value to hundreds, identify geometric properties, and work with measurement, time, and money
- Investigate animal life cycles and basic needs, properties of matter (liquids and solids), weather patterns and seasonal changes, and animal growth and development
- Explore family and community structures, basic geography and cardinal directions, personal responsibilities, and foundational economic concepts
- Build digital literacy through Microsoft Office applications, digital book creation, and proper technology citizenship

Standards Alignment

Language Arts: Aligned to CCSS RL.2.1-10, RI.2.1-10, W.2.1-3, W.2.5-8, SL.2.1-6, and L.2.1-6. Students write narratives with sequenced events using temporal words, write opinion pieces with clear reasoning and conclusions, produce informational texts introducing topics with facts, use linking words effectively, and distinguish between fiction and nonfiction while comparing and contrasting information.

Mathematics: Aligned to CCSS 2.OA (Operations and Algebraic Thinking), 2.NBT (Number and Operations in Base Ten), 2.MD (Measurement and Data), and 2.G (Geometry). Students use addition and subtraction strategies within 100, understand place value to hundreds, skip count by 2s/5s/10s, identify and analyze 2D and 3D shapes, measure using standard units, tell time, work with money, and create and interpret graphs.

Science: Aligned to NGSS K-2 standards focusing on patterns, cause and effect, and structure and function. Students observe and describe animal life cycles and basic needs, distinguish between properties of liquids and solids, record daily weather conditions and identify seasonal patterns, and understand how animals grow and change over time.

Social Studies: Aligned to C3 Framework and early elementary social studies standards. Students compare different family structures and community traditions, read simple maps using cardinal directions and map keys, demonstrate responsible behavior in various settings, understand chronological sequencing, and identify examples of goods, services, needs, and wants.

Technology: Aligned to ISTE Standards for Students emphasizing Empowered Learner and Digital Citizen. Students use basic Microsoft Office programs (Word, PowerPoint, Paint, Publisher), navigate the internet with supervision, create digital books combining text and images, use media players appropriately, and practice safe and responsible technology habits including proper posture and taking breaks.

Grade 3

Class Summary

Grade 3 represents a critical transition year where students shift from "learning to read" to "reading to learn." Academic rigor increases significantly as students engage with more complex texts, multi-step problems, and extended writing projects. Students develop greater independence, critical thinking skills, and the ability to apply knowledge across disciplines.

Core Objectives

- Analyze and produce multiple writing genres including narratives, reports, persuasive pieces, poetry, brochures, and biographies
- Develop fluency in multiplication and division, understand fractions, work with multi-digit numbers, and apply geometric reasoning
- Investigate scientific concepts including life cycles, heredity, ecosystems, force and motion, electricity, magnetism, weather, and climate
- Explore geographic tools, world cultures, Earth's surface features, citizenship, government, and economic principles
- Build digital literacy through productivity software, coding fundamentals, and robotics

Standards Alignment

Language Arts: Aligned to CCSS RL.3.1-10, RI.3.1-10, W.3.1-10, SL.3.1-6, and L.3.1-6. Students quote text evidence, determine themes, compare/contrast stories, write with clear structure and supporting details, conduct research, and engage in collaborative discussions.

Mathematics: Aligned to CCSS 3.OA (Operations and Algebraic Thinking), 3.NBT (Number and Operations in Base Ten), 3.NF (Number and Operations—Fractions), 3.MD (Measurement and Data), and 3.G (Geometry). Students fluently multiply and divide, round numbers, understand fractions as numbers on a number line, measure time and mass, analyze data in scaled graphs, and classify shapes by attributes.

Science: Aligned to NGSS 3-LS (Life Science), 3-PS (Physical Science), and 3-ESS (Earth and Space Science) standards. Students develop models, plan investigations, analyze patterns, construct arguments, and make claims about organism traits, force and motion, weather hazards, and climate patterns.

Social Studies: Aligned to C3 Framework and geography standards. Students use maps and globes, analyze how humans interact with environments, understand civic participation, and explore economic decision-making.

Technology: Aligned to ISTE Standards for Students including Empowered Learner, Digital Citizen, Knowledge Constructor, and Computational Thinker. Students use Microsoft Office suite, explore educational games, navigate the internet safely, and program with Sphero robotics.

Grade 4

Class Summary

Grade 4 marks a pivotal stage in academic development as students build upon their elementary foundation with increasingly sophisticated skills in reading, writing, and mathematics. Students engage in structured learning experiences that emphasize analytical thinking, evidence-based reasoning, and the ability to synthesize information across multiple sources and disciplines.

Core Objectives

- Produce well-structured writing across genres including poetry, narratives, fables, reports, informative texts, and opinion pieces with supporting evidence
- Master multi-digit multiplication and division, work with fractions and decimals, apply geometric concepts, and analyze data

- Investigate scientific principles including organism structures, ecosystems, energy transfer, electricity, magnetism, sound, light, Earth's resources, and geological changes
- Explore ancient civilizations, geographic relationships, economic activities, citizenship responsibilities, and government structures
- Develop advanced digital skills through multiple software applications, programming, robotics, and collaborative technology projects

Standards Alignment

Language Arts: Aligned to CCSS RL.4.1-10, RI.4.1-10, W.4.1-10, SL.4.1-6, and L.4.1-6.

Students refer to text details when making inferences, determine themes, analyze story structure, write with clear organizational structure, conduct research projects, and adapt speech to various contexts.

Mathematics: Aligned to CCSS 4.OA (Operations and Algebraic Thinking), 4.NBT (Number and Operations in Base Ten), 4.NF (Number and Operations—Fractions), 4.MD (Measurement and Data), and 4.G (Geometry). Students interpret multiplication equations, fluently multiply multi-digit numbers, add/subtract fractions and mixed numbers, work with decimals, apply measurement conversions, and classify 2D figures hierarchically.

Science: Aligned to NGSS 4-LS (Life Science), 4-PS (Physical Science), and 4-ESS (Earth and Space Science) performance expectations. Students construct arguments about internal/external structures, develop models of energy transfer, investigate collisions and wave patterns, and analyze Earth's changing surface features and resource use.

Social Studies: Aligned to C3 Framework inquiry arc and NCSS standards. Students interpret geographic representations, analyze cultural and environmental influences on populations, explain citizenship rights and responsibilities, and use economic reasoning to compare costs and benefits.

Technology: Aligned to ISTE Standards emphasizing Creative Communicator, Knowledge Constructor, and Innovative Designer. Students demonstrate proficiency in MS Office suite, create digital presentations, program with block-based coding (BeeBot), and apply computational thinking through challenge-based activities.

Grade 5

Class Summary

Grade 5 represents a significant milestone as students transition toward greater independence, sophisticated analytical thinking, and preparation for middle school.

Students engage in rigorous, structured learning that demands deeper comprehension, complex problem-solving, and the ability to synthesize and evaluate information from multiple perspectives and sources.

Core Objectives

- Compose advanced multi-genre writing including biographies, research projects, poetry, speeches, debates, persuasive arguments, and literary analyses with textual evidence
- Apply operations with multi-digit numbers and decimals, multiply and divide fractions, understand volume, work with coordinate planes, and solve real-world mathematical problems
- Investigate complex scientific concepts including human organ systems, ecosystems, matter and chemical changes, gravitational forces, and Earth-Sun-Moon interactions
- Analyze geographic tools, explore world cultures and ancient civilizations, examine economic systems and resources, and understand global interdependence
- Demonstrate advanced digital proficiency through programming, 3D design and printing, robotics, artificial intelligence exploration, and multimedia project creation

Standards Alignment

Language Arts: Aligned to CCSS RL.5.1-10, RI.5.1-10, W.5.1-10, SL.5.1-6, and L.5.1-6. Students quote accurately when explaining texts and drawing inferences, determine themes, compare/contrast texts, write opinion pieces with logically ordered reasons, conduct research synthesizing multiple sources, present with multimedia components, and engage in collaborative discussions building on others' ideas.

Mathematics: Aligned to CCSS 5.OA (Operations and Algebraic Thinking), 5.NBT (Number and Operations in Base Ten), 5.NF (Number and Operations—Fractions), 5.MD (Measurement and Data), and 5.G (Geometry). Students write and interpret numerical expressions, understand place value to millions, fluently multiply multi-digit numbers, add/subtract/multiply fractions, divide fractions, convert measurement units, calculate volume, and graph points on coordinate planes.

Science: Aligned to NGSS 5-LS (Life Science), 5-PS (Physical Science), and 5-ESS (Earth and Space Science) standards. Students develop models of matter cycling and energy flow, construct explanations of gravitational forces, analyze Earth system interactions, and use evidence to support scientific claims through collaborative inquiry.

Social Studies: Aligned to C3 Framework with emphasis on global awareness and economic literacy. Students use geographic tools, analyze cultural influences on perceptions, explain how trade influences interdependence, understand citizenship in a democracy, and explore ancient Mesopotamian civilization.

Technology: Aligned to ISTE Standards emphasizing Innovative Designer, Computational Thinker, and Creative Communicator. Students program in Scratch 3.0 and text-based languages, demonstrate proficiency across MS Office applications, engage in 3D design and printing, program advanced Sphero robotics, and explore ethical considerations of artificial intelligence.