Lower School (Grades 6-8) Competencies

Work Study Practices

WSP.1 Contribute to Their Community: Participate as a community member with respect to others and the environment inside and outside of Kreiva.

WSP. 2 Self-Manage Their Learning: Initiate and manage learning through self-awareness, self-motivation, self-control, self-advocacy, and adaptability as a reflective learner.

WSP.3 Produce Quality Work: Recognize and produce work of high quality.

WSP. 4 Collaborate Meaningfully: Work in diverse groups to achieve a common goal.

Lower School English/Language Arts

Reading

MRE.1	Describe the meaning of a text, citing supporting details appropriately.
MRE.2	Summarize a text, including central idea/theme and supporting details.
MRE.3	Discuss how and why individuals, events, or ideas develop and interact over the course of a text.
MRE.4	Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.
MRE.5	Identify the impact of structure in texts.
MRE.6	Describe how point of view or purpose shapes the content and style of the text.
MRE.7	Integrate and evaluate multiple sources of information presented in different formats in order to address a question or solve a problem.
MRE.8	Read, comprehend, and compare the approaches taken by the author's in a variety of forms of literary and informational texts independently and proficiently.

Writing

MWR.1   Write an argument to support claims in an analysis of topics or texts using valid reasoning and relevant and sufficient evidence.

MWR.2   Write informative/explanatory texts to examine and convey ideas and information clearly and accurately through the effective selection, organization, and analysis of content.

MWR.3   Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details and well-structured event sequences.

MWR.4   Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.

MWR.5   Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others.

MWR.6   Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.

MWR.7   Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism.

MWR.8   Draw evidence from literary or informational texts to support analysis, reflection, and research.

Speaking and Listening

MSL.1   Prepare for a range of conversations and collaborations with diverse partners.

MSL.2   Participate effectively in a range of conversations and collaborations with diverse partners, building on others' ideas and expressing their own clearly and persuasively.

MSL.3   Integrate and evaluate information presented in diverse media and formats, including visually, quantitatively, and orally.

MSL.4   Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric.

MSL.5   Present information, findings, and supporting evidence such that listeners can follow the line of reasoning and the organization, development, and style are appropriate to task, purpose, and audience.

MSL.6   Make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations.

MSL.7   Adapt speech to a variety of contexts and communicative tasks, demonstrating command of formal English when indicated or appropriate.

Language

MLA.1	Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
MLA.2	Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
MLA.3	Apply knowledge of language to understand how language functions in different contexts.
MLA.4	Determine or clarify the meaning of unknown and multiple-meaning words and phrases by using context clues and analyzing meaningful word parts.
MLA.5	Demonstrate independence in resolving questions of vocabulary.
MLA.6	Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.
MLA.7	Accurately use a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking, and listening at the college and career readiness level.

Lower School Social Studies

Civics

MCIV.1   I can name the important people and institutions that make up my society and explain the powers and limits of their roles.

MCIV.2   I can discuss the role of constitutions and other governmental documents (such as laws, treaties, and international agreements) in establishing clear processes, powers, and limits to those powers.

MCIV.3   I can discuss the principles and perspectives that shape the democratic processes in our official government institutions.

MCIV.4   I can identify and discuss the importance of civic virtues and apply them in school and community settings.

MCIV.5   I can discuss the purpose and effectiveness of various rules, processes, laws, and policies at varying levels of civic society.

Economics

MECO.1   I can explain how economic principles are used to make decisions regarding the use of scarce resources to maximize the well-being of individuals and society.

MECO.2   I can explain why markets exist and how the principles of markets apply to prices and scarcity of goods and services, labor, credit, and foreign exchange.

MECO.3   I can describe how national economic policies affect levels of inflation, employment, and growth.

MECO.4   I can discuss the causes and effects of economic globalization and how policies influence international trade.

Geography

MGEG.1   Location. I can create and use graphic representations, such as maps, to show the spatial patterns of cultural and environmental characteristics.

MGEG.2   Place. Describe the physical and human characteristics of a location and how they interact to create a definition of that place.

MGEG.3   Human-environment Interaction. Describe how humans adapt to and modify the physical environment.

MGEG.4   Movement: Explain the cause and effect relationship between human population expansion and redistribution and resulting patterns of settlement, environmental change, and resource use.

MGEG.5   Region. Describe the impact of regions on human-human interaction and human-environment interaction.

World History

MWH.1   I can analyze human cultural evolution from hominids through Neolithic Revolution through multiple lenses.
MWH.2   I can analyze ancient Egyptian and Fertile Crescent civilizations through multiple lenses.
MWH.3   I can analyze the Ancient Greek and Roman civilizations through multiple lenses.
MWH.4   I can analyze the complexity of the Ancient Civilizations of the Americas through multiple historical lenses
MWH.5   I can analyze the European Dark Ages through multiple lenses.
MWH.6   I can analyze the European Renaissance through multiple lenses.
MWH.7   I can analyze the Chinese and foreign dynasties in China through multiple lenses.
MWH.8   I can analyze world exploration through multiple lenses.

American History

MAH.1   I can analyze the complexity of the Columbian Exchange through multiple lenses.
MAH.2   I can analyze the complexity of the American Revolution through multiple lenses.
MAH.3   I can analyze the complexity of the causes and impacts of the Civil War through multiple lenses.
MAH.4   I can analyze the complexity of Westward Expansion and the Industrial Revolution through multiple lenses.
MAH.5   I can analyze the complexity of the WWI and WWII eras in the US through multiple lenses.
MAH.6   I can analyze the complexity of the Cold War Era in America through multiple lenses.
MAH.7   I can analyze the complexity of the Civil Rights Era in the US through multiple lenses.
MAH.8   I can analyze the complexity of the US War on Terror through multiple lenses.

Lower School Science

Life Science

MLS.1	I can explain the structure and function of organisms
MLS.2	I can explain how specialized cells create body systems that communicate
MLS.3	I can describe how organisms get energy from their environment
MLS.4	I can explain the importance of biodiversity to an ecosystem
MLS.5	I can explain how reproductive processes affect genetic variation and the success of a species
MLS.6	I can summarize evidence for macroevolution
MLS.7	I can explain how and why a species changes over time
MLS.8	I can explain how genes can be changed with man-made technologies

Physical Science

MPS.1	I can explain how atoms combine in a variety of ways for different uses.
MPS.2	I can explain the process of a chemical reaction
MPS.3	I can solve a problem using knowledge of thermal energy.
MPS.4	I can explain how force, mass, and motion affect an object.
MPS.5	I can describe how electrical, magentic, and gravitational fields act on an object
MPS.6	I can relate kinetic energy to mass and speed.
MPS.7	I can design a thermal energy transfer solution.
MPS.8	I can describe the properties of waves and how they store and transfer information.

Earth and Space Science

MES.1	I can describe how Earth's geosphere and its origin have changed over time
MES.2	I can describe how energy and matter cycle through each of Earth's major systems
MES.3	I can explain how geography influences weather and climate
MES.4	I can explain the complex interactions between humans and Earth's systems
MES.5	I can describe the scale and structure of the universe
MES.6	I can describe the observable phenomena that relate to the Earth-moon-sun system

Science and Engineering Practices

SEP.1   I can ask questions (for science) and define problems (for engineering)
SEP.2   I can develop and use models
SEP.3   I can plan and carry out investigations
SEP.4   I can analyze and interpret data
SEP.5   I can use mathematics and computational thinking
SEP.6   I can construct explanations (for science) and design solutions (for engineering)
SEP.7   I can engage in an argument from evidence
SEP.8   I can obtain, evaluate, and communicate information

Technology

TE.1   I can demonstrate the ability to choose, use and troubleshoot current technologies, and to transfer this knowledge to explore emerging technologies.
TE.2   I can describe the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world, and act and model in ways that are safe, legal and ethical.
TE.3   I can critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts and make meaningful learning experiences for myself and others.
TE.4   I can communicate clearly and express myself creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to my goals.

Health

HE.1   I can describe and apply principles of personal wellness including the roles of diet and physical activity.
HE.2   I can identify factors that influence mental, emotional, and social health and the skills needed to manage these ever changing influences.
HE.3   I can discuss the relationships, choices, risks, and skills necessary to understand healthy human growth and development.
HE.4   I can discuss the types and effects of substance use and abuse and how to navigate the associated challenges.

Lower School Math

Pre-Algebra

PALG.1   I can use variables to represent values in unknown situations.
PALG.2   I can apply strategies to manipulate rational numbers using the four basic operations.
PALG.3   I can apply proportional relationships to ratio and percent problems.
PALG.4   I can perform operations with numbers expressed in scientific notation.
PALG.5   I can solve one-variable equations and inequalities.
PALG.6   I can graph linear equations.
PALG.7   I can simplify exponential expressions and identify irrational values.
PALG.8   I can use the properties of graphing to show the Pythagorean theorem and distance formula.

Middle School Math Fundamentals

MFD.1   I can manipulate integers in any form.

Middle School Geometry

MGEM.1 I can calculate area and perimeter of two-dimensional figures.
MGEM.2 I can calculate volume and surface area of three-dimensional figures.
MGEM.3 I can calculate circular measurements and use them to discover the volume of cones, cylinders, and spheres.
MGEM.4 I can evaluate the relationships of angles using triangles and transversals.
MGEM.5 I can draw, construct, and describe similar geometrical figures and describe the relationships between them.

Middle School Statistics

MST.1   I can calculate summary statistics and interpret data in multiple visual formats.
MST.2   I can find and interpret probabilities of simple events.
MST.3   I can find and interpret probabilities of compound events.
MST.4   I can apply linear and non-linear associations.

Middle School Numbers, Functions, and Operations

MNFO.1   I can manipulate decimals and rational numbers and represent on a number line.

MNFO.2   I can use a Cartesian Coordinate Plane to graph locations and model data.

MNFO.3   I can apply the basic properties of exponents.

MNFO.4   I can complete computations fluently with multi-digit numbers and find common factors and multiples.

MNFO.5   I can manipulate expressions.

MNFO.6   I can apply basic ratios and proportions in problem solving.

Enrichment

Art

ART.1   I can conceive of and create new artistic ideas and work.
ART.2   I can share my ideas and work through artistic interpretation and presentation.
ART.3   I can describe how the arts convey meaning.
ART.4   I can relate artistic ideas and work with personal meaning and external context.

Physical Education

PE.1   Psychomotor. Demonstrate competency in a variety of motor skills and movement patterns.
PE.2   Cognitive. The student applies knowledge of concepts, principles, strategies and tactics related to movement and performance.
PE.3   Affective. Participates regularly in physical activity.
PE.4   Affective. Exhibits responsible personal and social behavior that respects self and others.
PE.5   Physical Fitness. Demonstrates the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness.
PE.6   Physical Fitness. Recognizes the value of physical activity for health, enjoyment, challenge, self-expression, and/or social interaction.