

LEARNING & LEADING IN THE 6TH GRADE



A Note From Dr. Stacy

Our goal at Beechwood is to foster a positive relationship between all members of the school community, including staff, students, parents, and guardians. We recognize that schools cannot improve student achievement and maximize growth alone; families play a significant role in their children's education. Simply put, students are more successful in school and life when their families are engaged in their educational journey. It is our goal that these documents increase the partnership, communication and understanding between home and school.

This is an overview of your child's educational year at Beechwood. We have addressed both specific content expectations and nontraditional concepts like wellness, leadership and creativity. Growth as a leader and learner is more complex than reading and math alone. To be globally competitive, our children need exposure to new content, problem solving, business engagement, leadership opportunities, and more. Please review the document to see what your student will be expected to know and do by the end of their academic year.

If and when you have questions, please reach out to your teacher and/or administrator. Anyone of us would be more than happy to discuss the specifics of this document or help you answer any questions you might have about your child's academic progress. We are all partners in their educational and leadership journey.

The Beechwood Way

No matter how much technology, culture, and society around the world changes, the high expectations for Learners at Beechwood will never change. We teach your children to think critically and creatively, be resilient, and to be fearless so that they can adapt to that changing world landscape. Some of the ways we support Learners:

■ Wellness

We understand that physical and mental health is important to learning

■ Personalized Support Services

All students succeed when their individual needs are met

■ Writing

Effective writing is an essential component of communication

In order to further prepare your children for a changing world, we give them a number of Leadership opportunities. We teach your children the qualities and habits of a Leader- Strategic Thinking, Decision Making, Intrapersonal Communication, and Time Management. Since leadership takes many forms, we want your children to confidently use their skills to lead. Some ways that we support Leaders:

■ Field Experiences

Experiences that are aligned to give students opportunities to observe and experience varied leadership

■ Leadership

Support students in defining their individual leadership skills

■ Community Engagement

We share our learning with the community and grow from the exchange

The world has become smaller and closer all at the same time. In order to be successful in that environment, your children need to be Globally Competitive. Through a series of courses and experiences students refine their translatable skills to compete with students across the globe. Some of the ways we support Globally Competitive students:

■ Electives

Courses that enhance the student experience and deepen understanding of a specific topic

■ Research

Using skills to review, analyze, and develop a product that addresses a question or problem

6TH GRADE EXPERIENCES



Learners

We understand that physical and mental health is important to learning. In Grade 6, your child will experience Social Emotional Learning, Physical Education, Opportunities for small group and

individual school counseling, VPA(recess).

All students succeed when their individual needs are met. In Grade 6, your child will experience personalized instruction based on data driven decisions, Response to Intervention for reading/math/writing, and enrichment opportunities in and out of the classroom setting.



Leadership

Experiences that are aligned to give students opportunities to observe and experience varied leadership opportunities. In

Grade 6, your child will have the opportunity to visit local service organizations, museums, Universities, interact with animals, and more.

We support students in defining their individual leadership skills. In Grade 6, your child will engage in daily activities that promote leadership among peers.

We share our learning with the community and grow from the exchange. In Grade 6, your child will engage in performance opportunities for the community.



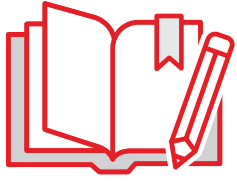
Globally Competitive

We offer courses that enhance the student experience and deepen understanding of a specific topic. In Grade 6, your child

will experience collaborative services for academic support and enrichment in the regular classroom. Every student will experience STEM, Library/Tech, Art, PE, and Music on a quarterly basis to enhance their development as well.

We use skills to review, analyze, and develop a product that addresses a question or problem. In Grade 6, your child will experience an inquiry based learning environment where he/she can grow through a process which includes all steps of the iteration process.

LANGUAGE ARTS



Beechwood learners will read widely and deeply from a broad range of high quality, increasingly challenging literary and informational print and non-print texts and text sets from diverse cultures, time periods and disciplines, including all content areas. Through intentional scaffolding in which responsibility is gradually released, students will learn to activate schema, use cognitive strategies flexibly, acquire rich content knowledge and develop into independent and proficient lifelong learners. Learners will demonstrate competency of these standards in the context of authentic reading, writing, speaking and listening tasks.

Grade 6 learning will include, but is not limited to:

- Students will build knowledge through text-based analysis and discussion of content-rich fiction and nonfiction texts. Students will read, write, and speak using textual evidence. Students will have regular practice with complex text and its academic vocabulary.
- Compose ARGUMENTS to support claims with clear reasons and relevant evidence
- Compose INFORMATIVE AND/OR EXPLANATORY TEXTS to examine a topic and convey ideas, concepts and information through the selection, organization, and analysis of relevant content.
- Compose NARRATIVES to develop real or imagined experiences or multiple events, memories or ideas using effective technique, relevant descriptive details and well-structured event sequences.
- Use knowledge of language and its conventions when writing, speaking, reading or listening.
- Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 6 reading and content, choosing flexibly from an array of strategies
- Demonstrate understanding of, figurative language, word relationships and nuances in word meanings

SOCIAL STUDIES



Beechwood learners will use the standards to explore the relationships and interactions among individuals and groups at local, state, national and international levels through the disciplines of civics, economics, geography and history and the inquiry practices of questioning, investigating, using evidence and communicating conclusions.

Grade 6 learning will include, but is not limited to:

- Civics - Civic and Political Institutions, Roles and Responsibilities of a Citizen, Civic Virtues and Democratic Principles, Processes/Rules/Laws
- Economics- Microeconomics, Macroeconomics, Specialization Trade and Interdependence, Incentives, Choices and Decision Making
- Geography- Migration and Movement, Human Interaction and Interconnections, Geographic Reasoning, and Human-Environment Interaction
- History- Change and Continuity, Cause and Effect, Conflict and Compromise, Kentucky History

MATH



Beechwood learners will make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, model with mathematics, use appropriate tools strategically, attend to precision, look for and make use of structure, look for and express regularity in repeated reasoning.

Grade 6 learning will include, but is not limited to:

Number System:

- Fluently add, subtract, multiply, and divide rational numbers
- Graph ordered pairs in all four quadrants of a coordinate plane

Expressions and Equations:

- Solve real-world and mathematical problems by writing, solving, and graphing inequalities and solving equations
- Analyze relationships between independent and dependent variables using graphs, tables, and equations.

Ratios/Proportions/Percents:

- Solve problems involving ratios and proportional relationships
- Represent percents with concrete models, fractions, and decimals
- Find the percent of a quantity as a rate per 100

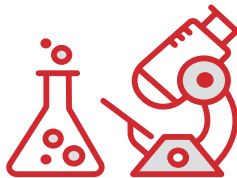
Geometry

- Solve real-world problems involving the area of rectangles, parallelograms, trapezoids, and triangles
- Find missing angle measures in triangles or quadrilaterals
- Solve real-world mathematical problems involving the surface area and volume of prisms

Statistics and Data Analysis

- Determine measures of center in a distribution
- Represent and describe data with graphs
- Find measures of center and variability

SCIENCE



Beechwood learners will ask questions and define problems, develop and use models, plan and carry out investigations, analyze and interpret data, use mathematical and computational thinking, construct explanations and define solutions, engage in argument from evidence, obtain, evaluate and communicate information and use scientific equipment safely.

Grade 6 learning will include, but is not limited to:

Earth's Place in the Universe

- Cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons
- Model role of gravity and determine scale properties of objects in the solar system

History of Earth

- Geologic time scale
- Study of fossils and rocks, continental shapes and seafloor structures to provide evidence of past plate motions

Ecosystems

- Limiting factors that affect populations
- Interactions between living and nonliving parts of an ecosystem
- Flow of Energy

Forces and Motion

- Newton's 3 Laws of Motion
- Balanced and Unbalanced forces
- Sum of forces and changes in motion

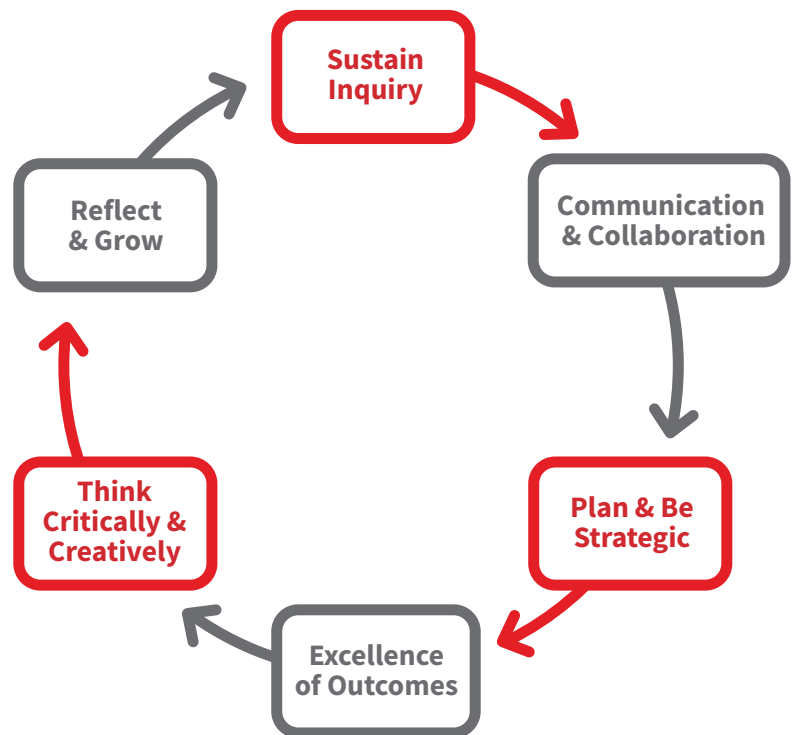
Earth's Systems

- Earth's materials and the flow of energy
- Uneven distribution of Earth's mineral, energy, and groundwater resources

Weather & Climate

- Motions and complex interactions of air masses results in changes in weather conditions
- Patterns of atmospheric and oceanic circulation that determine regional climates

SEMINAR CORE CONCEPTS



6th Grade Seminar

Seminar in 6th grade is focused on building upon the foundation of skills began in 5th grade. Instead of the Interpersonal and Visual Communication being taught separately, they are taught together so that students understand how both can work together to help students communicate even more effectively. Students will also have a great deal more flexibility in their pathway as they begin to do their own research in areas they have an interest in to find challenges to solve. They will also look outside of their own classroom and into earlier grades to develop activities for the winter when going outside is not an option. They also get to design innovative programming for Beechwood through an interesting process of research and interviewing. 6th grade continues to use the Iterative Design Process to solve their problems and provide a structure to learn fearlessness, excellence, resilience, and to grow. Through interaction with the regional and local business partners, students have an opportunity to learn about careers hands on and with significant depth.

There are two main aspects of the 6th grade Seminar curriculum:

Interpersonal and Visual Communication, students will:

1. Understand how group roles continue to develop and evolve as they get older
2. Revisit how to come to consensus and understand the perspectives of other in a Pro/Con Discussion
3. Create a Promotional Video for an activity, sport, or other program here at Beechwood
4. Design and develop materials for Programming at Beechwood; this is personalized learning at its best. Students get to research and conduct interviews with Beechwood personnel and students to develop interesting and new programming and present it to the staff

Challenges and Challenge Partners

1. Students design their own **Challenge** by first researching, then developing a solution to a problem that interests them. They will develop partnerships with local and regional business partners to serve as mentors to help them through the solution and provide a sounding board for questions throughout the process
2. Work with **Challenge Partners** from around the region to solve a problem in their field. This gives students the opportunity to work within constraints and further expand their problem solving experiences

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