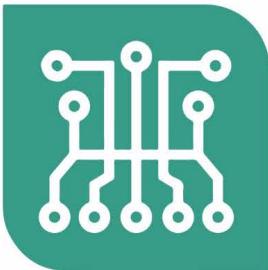
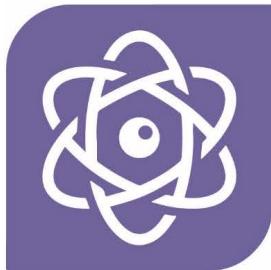


Elementary School Catalog

3rd to 5th Grade



B·E·S·T

ACADEMY

Brookfield Engineering Science Technology

College & Career Pathways | Personalized Guidance Support

2021-2022 Academic Year

ENGLISH

ENGLISH LANGUAGE ARTS 3

This course provides students instruction and practice in reading, comprehending, and analyzing various genres. Students will also learn skills to become stronger writers while creating texts for various purposes. Students will complete basic research tasks. In addition, students will learn spelling, grammar, and conventions to strengthen their writing. They will also learn and practice skills and strategies to build their vocabulary. Students will further their communication skills by listening speaking and working with peers. Student will also learn and utilize cursive writing.

ENGLISH LANGUAGE ARTS 4

Covering 4th grade ELAR objectives, this course builds upon third-grade skills and vocabulary development. The focus is reading comprehension of main ideas, details, and themes. Students also keep a reading journal and compare different genre elements. Students write narratives and various essays, including a persuasive essay and an informative research paper. They also evaluate graphic elements, media, and speeches. In the area of cooperative learning, students practice good listening and discussion skills. Additionally, they use technology to make a presentation and self-evaluate their performance.

ENGLISH LANGUAGE ARTS 5

All standard conventions of English grammar are thoroughly covered. Vocabulary and spelling are spiraled throughout and include word roots, affixes, use of the dictionary, and using context. Students will read and analyze all major genres and be asked to imitate each in their own writing. Students analyze the novel Number the Stars. The students compose all forms of writing required by the state standards and are given detailed instructions in formal research and essays. A section on media literacy is included. Many lessons require peer collaboration. Fluency in reading aloud is taught overtly.

MATH

MATH 3

The primary focal areas in 3rd Grade Math are place value, operations of whole numbers, and understanding fractional units. Students will learn the purpose of rounding numbers and learn to identify values on a number line. Students will perform the operations of addition, subtraction, multiplication, and division. They will learn and practice multiplication through 10. They will also learn to model division in different ways, including grouping and using arrays. The mathematical strands of algebraic reasoning, geometry and measurement, and data analysis are presented and practiced. The use of tables, graphs, and charts is thoroughly explained, and concepts of financial literacy are also covered.

MATH 4

The primary focal areas in 4th Grade Math are the use of operations, fractions and decimals, and describing and analyzing geometry and measurement. Students will practice multiplication and divide 4-digit numbers by single-digit divisors. They will also learn about estimating quotients. Students will learn and practice addition and subtraction of fractions. Algebraic concepts will include working with equations and solving multi-step problems. Perimeter and area problems will also be performed. Financial literacy topics are also covered.

MATH 5

5th Grade Math will develop students' mathematical problem-solving skills. Beginning with an overview of place values, students will learn to regroup numbers and estimate sums and differences. Students will learn to multiply and divide numbers with more than one digit. Proficiency will be gained in adding, subtracting, multiplying, and dividing fractions and whole numbers. Students will solve problems using basic numerical and algebraic expressions. Geometry includes lines, angles, polygons, and polyhedrons. Customary and metric measurements will be used to solve problems. Students will organize and present mathematical data using line graphs, scatterplots, bar graphs, and other visual aids. The course concludes with the application of math skills in the study of financial concepts.

SOCIAL STUDIES

SOCIAL STUDIES 3

The theme of 3rd Grade Social Studies is community. Students will compare and contrast different types of communities and discover how cultural diversity adds richness and meaning to life in communities. As the course progresses, students will be introduced to the concept of living in a larger world community. They will learn about heroic men and women who overcame adversity and made their communities better places to live. Students will apply map-reading skills and examine source documents that will help them place communities and events in geographical and historical context. Students will learn that they have a responsibility to improve their communities and will identify ways to participate through nonprofit groups, government, and the free enterprise system.

SOCIAL STUDIES 4

California State History is a social science adventure guiding the student through the history of the Golden State. The course begins with a primer on social studies skills, such as reading maps. Students then explore the diverse geographic regions of California. Module 2 begins an extended look at California history with an investigation into the culture of Native Americans. Students will then analyze the effect of the arrival of European explorers and Spanish rule. Next, they will follow the transition to Mexican rule and subsequent rapid colonization and statehood driven by the 1849 Gold Rush. After surveying history to the present day, the course concludes with in-depth investigations into California's government, economic structure and industries, and cultural contributions.

SOCIAL STUDIES 5

The 5th Grade Social Studies students will engage in a broad survey of U.S. history. Beginning with the discovery of the Western Hemisphere during the Age of Discovery, students will follow the transformation of the United States from a wilderness in the 17th century to a world power during the 20th century. Students will examine founding documents and analyze how

government, political parties, and the free enterprise system have shaped the development of the United States. Geographical skills will be tested as students memorize the location of all 50 states and the names of their capitals. In addition, students will examine their rights and duties as citizens and analyze the impact of technology and culture on the lives of Americans.

SCIENCE

SCIENCE 3

The study of science in 3rd Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making tables and graphs. Students use tools such as collecting nets, sound recorders, and spring scales to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; describing the forms of energy; investigating how forces cause change; describing rapid changes to Earth's surface; comparing different landforms; creating models of the solar system; understanding the structures of living organisms and how they interact with each other and the environment, and comparing life cycles of different plants and animals.

SCIENCE 4

The study of science in 4th Grade includes conducting descriptive investigations using scientific methods, analyzing data, and making graphs. Students use tools such as beakers, compasses, and balances to collect, analyze, and record information. In this integrated science course, students explore many scientific concepts and will perform tasks such as measuring physical properties of matter; predicting how matter changes with heating and cooling; describing the forms of energy and its cycles; understanding slow changes to Earth's surface; recognizing weather patterns and using weather maps; understanding the structures and relationships of living organisms and their environment; illustrating and comparing life cycles of different plants and animals; and investigating patterns in the Sun, Earth, Moon system, including shadows and lunar phases.

SCIENCE 5

The study of science in 5th Grade includes conducting descriptive and experimental investigations using scientific methods, analyzing data, and making models. Students use tools such as beakers, magnets, and spring scales to collect, analyze, and record information. In this integrated science course, students classify matter by its physical properties; describe the forms of energy and its cycles; investigate how forces cause change; diagram changes to Earth's surface; compare Earth's renewable and nonrenewable resources; understand the structures of living organisms and how they interact with each other and the environment; and recognize patterns in the Sun, Earth, Moon system.

HEALTH AND PHYSICAL EDUCATION

PHYSICAL EDUCATION 3

Elementary PE 3 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include warm-up and cool down, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

PHYSICAL EDUCATION 4-5

Elementary PE 4-5 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include warm-up and cool down, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

ELEMENTARY ACTIVITIES

Field Trips

- Living Coast Discovery Center
- Children's Museum
- Birch Aquarium
- Fleet Science Center
- San Diego Zoo
- San Diego Maritime Museum
- San Diego Air & Space Museum

Creative Writing & Book Publishing

- Students write and publish their own book

Coding

- Intro to CodeSters – 4th Grade
- Python 1: 4th and 5th Grade
- Python 2: 5th Grade