

BRITO MIAMI PRIVATE SCHOOL

SIXTH GRADE CURRICULUM

MATHEMATICS

The program is designed to provide all students with a complete background in arithmetic and basic geometry, along with an introduction to the language and territory of basic algebra. Math instruction should stress thought, not just methodology and results. Students must develop mathematical skills to analyze information, solve problems, and create products to meet new needs. They must learn to wisely allocate resources used to solve problems.

Students learn arithmetic and geometric series; the associative, commutative, and distributive properties of numerical expressions; exponents; square and cube root concepts and basic functional relationship. Story problems involve percentages, ratios, negative numbers, and simple equations with variables. In geometry, topics include the relations among length, area, and volume; features of circles, cylinders, spheres, and cones; the Pythagorean Theorem and angle-sum theorem; and model construction of the regular polyhedron.

SCIENCE

The science curriculum underscores the principles of scientific method and suggests sciences' worldly applications and possibilities. This curriculum provides students with the opportunity to practice and develop to the fullest their habits of mind. Students become scientists as they think about paradoxes, conflicting philosophies, and the implications of their own beliefs and actions. As students question, wonder, argue, dream, plan, fail, succeed, rethink, innovate, and imagine, they learn that education is a lifelong journey.

General Science:

It has a special emphasis on the physical sciences. Topics may include the atomic theory of matter; states of matter (solid, liquid, and gas); conservation of matter; relations among weight, volume, and density; and simple optics, including telescopes. Additional topics from the life and earth sciences may include the structure of the Earth's crust and plate tectonics; distinctions between living and nonliving thing; and instinct and learning in animals. Students explore record and graph boiling and freezing points of common substances; examine light filtered through a prism; and observe the reflection and refraction of light rays by mirrors and through lenses.

ENGLISH

Fully literate students are seekers of meaning in a world rich with language. Curious about life's complexities, adept at inquiry, and disciplined to pursue understanding, they use the processes of language arts effectively.

The major areas of concern are as follows: Reading, Composition, Listening and Speaking, Basic English usage skills (grammar, vocabulary, spelling, etc.) and literature.

A review of reading skills developed in the early grades, and an introduction to classical mythology and simple lyric, narrative, and dramatic poetry. Reading selections serve as subjects for a variety of writing assignments, including short essays, narratives, letters, and book reviews. Speaking exercises require students to memorize and recite selected short poems. Students learn library skills (bibliographies and note-taking) during preparation of a research project. Topics in grammar include irregular verbs and the subjunctive mood. Independent reading and writing are a significant part of each day.

SOCIAL STUDIES

This course offers students early, continuous, and cumulative instruction in history, geography, and civics. Social Studies plays an important role in the development of well-educated people. It prepares students to be personally and socially aware, promotes multiple perspectives, encourages intellectual curiosity, incorporates critical thinking skills, reinforces a broad range of

communication skills, charges students to assume responsibility for positive change and civic action, and challenges them to imagine and create a better world.

The major topics in World History and Geography from prehistoric times to the middle ages are taught through story and textbook readings. Students study early man; ancient civilizations of the Near East, India, and China; classical Greece and Rome; the growth of Judaism and Christianity; the Byzantine Empire; Charlemagne; the rise of Islam; and early civilizations in Latin America and Africa. Map work traces the growth and decline of civilizations in the spread of civilization and contact among cultures. Work in civics explores the roots of democracy in the Greek city-state and their contemporary application to American government.

SPANISH

Early study of foreign languages makes sense. The imitative capacities of young children give them natural advantages as language students. It allows children a taste of the size and diversity of human experience and helps them to distinguish similarities and differences between their own and other cultures and people. To support teachers in choosing effective strategies to use in working with students in their classes, the following suggestions are provided.

Spanish as a foreign language is introduced with a strong emphasis on pronunciation, intonation, conversation, dialogue, and vocabulary building. Grammar begins with simple verbs and sentence structure. Students read and write short passages. Attention is paid to elementary cultural material from countries in which the language is national or widespread, including children's games, folk songs for choral singing, fairy tales, legends, and simple arts and crafts. Building on to more advanced vocabulary, grammar, syntax, and constructions; extended conversation; selections of foreign literature; writing assignments; elementary translations; and frequent cultural lessons.

PHYSICAL EDUCATION

Physical education plays an important role in every student's physical, mental, and social well-being. The physical educated student understands and seeks the benefits of a healthy and physically active life. Every student, regardless of physical ability or background, should have the opportunity to pursue and enjoy these benefits, which help to motivate a commitment to fitness throughout life. Physical education also provides significant opportunities for learning those social skills that are important for cooperation and individual success. In addition, we try to include in our program a positive attitude towards sports.

A general program of physical and health education is taught. Physical education activities previously learned, skills apply to common team and individual sports; teach the terminology and rules associated with each game; continue to emphasize fitness, respect for rules, sportsmanship, safety, and use and care of sports equipment. Topics in health include hygiene; nutrition; disease prevention; first aid and safety; peer resistance and individual responsibility in connection with alcohol, tobacco, and illegal drugs; and rest and exercise. Lessons about sexual maturation - taught according to community standards and with parental involvement and approval - should provide basic information about physiological and psychological changes associated with puberty.

PRACTICAL ARTS

Introduction to Computers, Keyboarding, and Computer Applications and use of the Computer Lab enables students to get a feel of computers and the business world. Basic programs and business skills are introduced. Through the completion of these courses, students acquire knowledge that will be very beneficial for the future.

Introduction to Computers:

Its focus is to introduce our youngsters to the world of computers. Through the use of a wide range of elementary level software, students acquire knowledge while working with fun and

educational programs. Students work at their own pace, gradually advancing to the next level and being introduced to more challenging software.

Computer Lab:

Students are required to use the computer lab for educational purposes only. Students will be instructed to work on projects, or may be permitted to surf the web, research or play educational games.

FINE ARTS

Arts acknowledge the fact that not everyone can know everything in even one arts area. However, it also recognizes the need for everyone to know something about dance, music, art, and theater. The arts are a fundamental part of being an educated person and are therefore an essential part of every student's education.

BRITO MIAMI PRIVATE SCHOOL SEVENTH GRADE CURRICULUM

MATHEMATICS

The program is designed to provide all students with a complete background in arithmetic and basic geometry, along with an introduction to the language and territory of basic algebra. Math instruction should stress thought, not just methodology and results. Students must develop mathematical skills to analyze information, solve problems, and create products to meet new needs. They must learn to wisely allocate resources used to solve problems.

The course consists of the basic skills of addition, subtraction, multiplication and division. Whole numbers, fractions and decimals will be dealt with along with a comprehensive treatment of percentage, squaring a number, and the square roots of numbers. Practical applications of mathematical concepts will be enhanced by study of basic consumer applications toward earning, spending, borrowing, and investing money.

SCIENCE

The science curriculum underscores the principles of scientific method and suggests sciences' worldly applications and possibilities. This curriculum provides students with the opportunity to practice and develop to the fullest their habits of mind. Students become scientists as they think about paradoxes, conflicting philosophies, and the implications of their own beliefs and actions. As students question, wonder, argue, dream, plan, fail, succeed, rethink, innovate, and imagine, they learn that education is a lifelong journey. *

Life Science:

The course predominantly centers on selected principles in biological science, including the cell concept, the organization of multi-cellular systems, plants and animals as organized systems and man in his relation to his environment.

Earth Science:

This course is designed to engender a strong interest in investigating the earth and the forces that cause changes in the earth. Selected concepts and principles of earth science are taken from the areas of geology, meteorology, oceanography and astronomy. Inclusive in the course context will also be fundamental concepts of geological processes and structure. Studies of common rocks and minerals, the study of elements, of crystallography, properties, uses, origins and identification of minerals are also stressed.

Science Lab:

Laboratory experiences are an essential component of the science curriculum and additional safety requirements and procedures must be in place and implemented. Supervision is constant and vigilant. Access to the laboratory is an additional tool. It is used for hands on activities based on the topics or materials previously covered.

*Courses are offered when applicable.

ENGLISH

Fully literate students are seekers of meaning in a world rich with language. Curious about life's complexities, adept at inquiry, and disciplined to pursue understanding, they use the processes of language arts effectively.

The major areas of concern are as follows: Reading, Composition, Listening and Speaking, Basic English usage skills (grammar, vocabulary, spelling, etc.) and literature.

This fundamental English course that reinforces all previously taught skills in the five major areas. Students receive instruction in writing skills with special emphasis on sentence and paragraph construction. Related skills areas will include vocabulary development, comprehension and fundamental study skills, infused into the course will be literature study, which focuses on the short story. Other readings may include periodicals, biographies and novels.

SOCIAL STUDIES

This course offers students early, continuous, and cumulative instruction in history, geography, and civics. Social Studies plays an important role in the development of well-educated people. It prepares students to be personally and socially aware, promotes multiple perspectives, encourages intellectual curiosity, incorporates critical thinking skills, reinforces a broad range of communication skills, charges students to assume responsibility for positive change and civic action, and challenges them to imagine and create a better world.

World Geography:

This course accentuates the rapid change in our world and the expansion of technology. In the geographic education are concern for the environment, global interdependency, geography as an integrating subject, and a multi cultural approach to education.

SPANISH

Early study of foreign languages makes sense. The imitative capacities of young children give them natural advantages as language students. It allows children a taste of the size and diversity of human experience and helps them to distinguish similarities and differences between their own and other cultures and people. To support teachers in choosing effective strategies to use in working with students in their classes, the following suggestions are provided.

This course aims to develop the listening, speaking, reading and writing skills on a basic level. The students will reinforce their oral and written language usage through the practice of written exercises, oral drills, oral reports, composition and reading comprehension exercises. Special emphasis will be given to reading and spelling practice.

PHYSICAL EDUCATION

Physical education plays an important role in every student's physical, mental, and social well-being. The physical educated student understands and seeks the benefits of a healthy and physically active life. Every student, regardless of physical ability or background, should have the opportunity to pursue and enjoy these benefits, which help to motivate a commitment to fitness throughout life. Physical education also provides significant opportunities for learning those social skills that are important for cooperation and individual success. In addition, we try to include in our program a positive attitude towards sports.

These courses are intended as a progressive development of intermediate and advanced skills and activities. Such topics as total body fitness, food consumption, muscular construction of the human body fitness, food consumption, muscular construction of the human body, benefits of exercise, and physical fitness parameters will be stressed. Activities primarily involve instruction in team sports with activities such as soccer, basketball, softball, volleyball, etc.

PRACTICAL ARTS

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Computer Lab:

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BRITO MIAMI PRIVATE SCHOOL EIGHTH GRADE CURRICULUM

MATHEMATICS

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Pre-Algebra:

The course is a continuation of the 7th grade program in the basic skills of mathematics. An introduction to the concepts of pre-algebra, computation with positive and negative numbers, the language of algebra, solutions of equations and inequalities, and graphing on the number line are undertaken. A foundation for algebra I is established.

SCIENCE

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Life Science:

The course predominantly centers on selected principles in biological science, including the cell concept, the organization of multi-cellular systems, plants and animals as organized systems and man in his relation to his environment.

Earth Science:

This course is designed to engender a strong interest in investigating the earth and the forces that cause changes in the earth. Selected concepts and principles of earth science are taken from the areas of geology, meteorology, oceanography and astronomy. Inclusive in the course context will also be fundamental concepts of geological processes and structure. Studies of common rocks and minerals, the study of elements, of crystallography, properties, uses, origins and identification of minerals are also stressed.

Science Lab:

Laboratory experiences are an essential component of the science curriculum and additional safety requirements and procedures must be in place and implemented. Supervision is constant and vigilant. Access to the laboratory is an additional tool. It is used for hands on activities based on the topics or materials previously covered.

ENGLISH

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The major areas of concern are as follows: Reading, Composition, Listening and Speaking, Basic English usage skills (grammar, vocabulary, spelling, etc.) and literature.

This basic course reinforces all previously taught skills in the five major strands. Students are taught to develop and write various types of paragraphs while basic English usage skills will stress such points as generalizations for adding prefixes and suffixes, capitalization, punctuation, spelling and dictionary usage.

SOCIAL STUDIES

This course offers students early, continuous, and cumulative instruction in history, geography, and civics. Social Studies plays an important role in the development of well-educated people. It prepares students to be personally and socially aware, promotes multiple perspectives, encourages intellectual curiosity, incorporates critical thinking skills, reinforces a broad range of communication skills, charges students to assume responsibility for positive change and civic action, and challenges them to imagine and create a better world.

American History:

It emphasizes on the period of history from the early colonial days to the reconstruction period, including the American Revolution, the Civil War, the roots and development of our political parties and the industrial and agricultural revolutions. An emphasis will be placed on social and cultural changes. In addition, the events of the past will be paralleled with current events.

SPANISH

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A continuation of the course offered at the 7th grade level. The course will further develop the skills of listening comprehension, speaking, reading and writing to a higher degree of proficiency. Further motivation and interest will be brought about by the introduction of literature and the study of grammatical components, syntax and spelling. The student will work toward increasing his vocabulary, speaking satisfactorily, and participating in discussions on topics of common interest. At the same time, he will develop reading and writing skills in reports and by analysis of literary works. The central focus for reading will be on short stories, articles, essays, poems, and magazines.

PHYSICAL EDUCATION

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