

Electives

Spanish 1

This course enables students to begin to acquire novice low to novice-mid proficiency in a modern language. Emphasis is placed on conversing, understanding, and presenting information about areas of immediate need and interest. Cross-cultural understanding, connections with other subject area disciplines, and the ability to perform in an interdependent society are also stressed.

(This is a high school credit course.)

Spanish 2

This course enables students to continue to acquire novice-mid to novice-high proficiency in a modern language. Conversing, understanding, and presenting information while increasing language proficiency in more areas of content continue to be emphasized and enhanced.

Cross-cultural understanding and connections with other subject areas are reinforced. Real life applications are emphasized.

(This is a high school credit course.)

M/J Speech and Debate

Introduces the student to speech and debate and provides opportunities to develop speaking and listening skills in both individual and group settings.

M/J Band 1

This course is designed for the student who has little or no previous band instrumental training or experience. Upon completion of this course, the student should be able to produce a characteristic sound on an instrument, demonstrate and play simple and compound rhythms, play the most common major scales at least an octave, demonstrate appropriate posture and basic techniques on an instrument suited to individual needs.

Clearlake Middle School

Middle Years Programme Course Offerings
2012-2013



PROUD TO BE AN AUTHORIZED

INTERNATIONAL BACCALAUREATE WORLD SCHOOL

What is Middle Years International Baccalaureate?

Clearlake's Middle Years Programme is an accelerated honors program for highly motivated and academically talented students. Higher level thinking skills, integrated curriculum, thematic units, and intercultural awareness combine to provide a well-rounded education. This program challenges students to become self-directed learners and responsible world citizens. The International Baccalaureate® (IB) aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect.

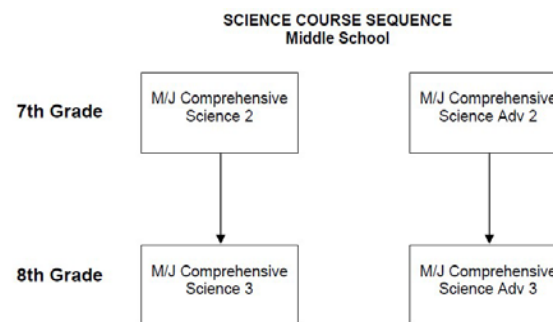
Why the Middle Years International Baccalaureate?

Recognized as the leader in international education, the International Baccalaureate (IB) fosters the knowledge, skills and attitudes that enable students to excel in college.

IB understands that success in higher education and beyond involves thinking critically and creatively. The IB Programme's challenging curriculum educates the whole student, developing the capacity for inquiry, research and problem-solving as well as essential skills for communication and collaboration.

Colleges and universities are rapidly coming to recognize and respect the International Baccalaureate Program. Many colleges actively recruit IB students, while others offer special scholarships for the IB diploma. A recent study completed by the Admissions Office at the University of Florida shows that IB students have greater success in college than students from general college prep programs and even Advanced Placement programs. Students who succeed in the IB Program do better than many other groups of students in university level work. Two different studies indicated that IB students maintained higher grade point averages at universities and earned higher average SAT scores than students who had not attended IB schools.

Science



M/J Comprehensive Science 2 Advanced International Baccalaureate

Includes problem solving, measurement, safety procedures, motion, force, energy, biotic and abiotic interactions; structure & organization of matter, compound machines, light; sound, and interactions of science with technology and society. The student will design and conduct a scientific investigation demonstrating skills and knowledge in a variety of scientific areas.

M/J Comprehensive Science 3 Advanced International Baccalaureate

Includes problem solving, measurement; safety procedures, taxonomy, functions and interrelationships of living systems, principles of genetics, rock and mineral classifications, comparative astronomy, atomic theory, conservation of energy, inertia and acceleration, and interactions of science with technology and society. The student will design and conduct a scientific investigation demonstrating skills and knowledge in a variety of scientific areas.



Social Studies

Grade 7

M/J Civics Advanced International Baccalaureate

The seventh grade social studies curriculum consists of the following content area strands: Civics, Geography, and Economics. The primary content for the course pertains to the principles, functions, and organization of government; the origins of the American political system; the roles, rights, responsibilities of United States citizens; and methods of active participation in our political system. The course is embedded with strong geographic and economic components to support civic education instruction.

Grade 8

M/J US History Advanced International Baccalaureate

The eighth grade social studies curriculum consists of the following content area strands: American History, Geography, Economics and Civics. Primary content emphasis for this course pertains to the study of American history from the Exploration and Colonization period to the Reconstruction Period following the Civil War.



Middle school students in grades 7-8 must select the following subject areas each year:

- Language Arts
- Mathematics
- Science
- Social Studies
- Physical Education
- Electives including the Middle School Comprehensive Career Exploration and Planning course (Grade 7)

Students in the International Baccalaureate Middle Years Programme are in all Honors/Advanced level courses. Honors/Advanced level courses are for students seeking the demands of a more rigorous curriculum; work both in and out of class will challenge the student to produce with more depth and breadth.

Through the MYP Programme, students gain rigorous and balanced academic preparation, an ability to draw on knowledge and understanding of various cultures and histories, and the experience of learning how to think critically and apply what they have learned in different contexts and across disciplines.

The successful completion of Clearlake's MYP Programme can open many doors of opportunity for students. MYP students can choose to continue in the IB Programme at Cocoa Beach Junior/Senior High School our IB partner school. The rigorous curriculum also prepares students for any advanced program available to Brevard Public School students.



Language Arts

Central to the language arts program is the effective and meaningful use of reading, writing and speaking, listening, viewing and observing. As students progress from one course to the next, increases should occur in the complexity of materials and tasks and in the student's application of skills and strategies.

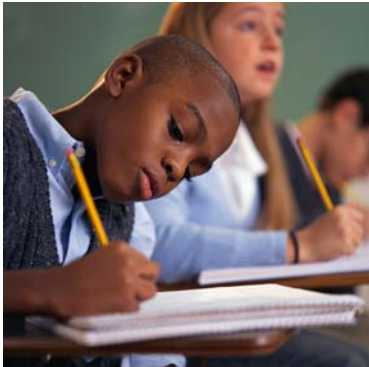
Grade 7

M/J Language Arts 2 Advanced International Baccalaureate

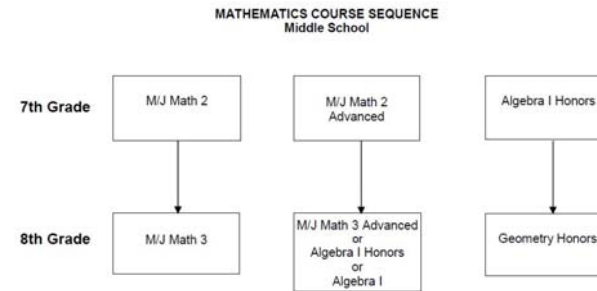
Grade 8

M/J Language Arts 3 Advanced International Baccalaureate

These courses provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language and literature. The content will include: 1) using the reading process to construct meaning from a wide range of literary, informational, and technical texts; 2) using the writing process to communicate information and ideas; 3) using listening, viewing, and speaking strategies; 4) understanding the power of language and using language in authentic contexts; 5) understanding the common features of a variety of literary forms; and 6) responding critically to visual, oral, and written texts.



Mathematics



M/J Mathematics 2 Advanced International Baccalaureate

These courses provide a smooth transition from arithmetic to algebra. Students will understand relationships among arithmetic, algebra, and geometry, model physical situations algebraically, and use statistical methods and probability concepts as a means for decision making.

Algebra 1 Honors International Baccalaureate

This course provides the foundation for success in more advanced mathematics courses. Students will use the real number system and its subsystems, demonstrate understanding of algebraic procedures and symbolism, and demonstrate understanding of the geometry associated with equations. ***(This is a high school credit course.)***

Geometry Honors International Baccalaureate

This course provides a rigorous and in-depth study of geometry. Students will use geometric models to represent and solve problems; use and understand an axiomatic system; explore relationships between plane and solid geometry; demonstrate an understanding of the algebra associated with coordinate geometry; and be aware of the differences between Euclidean and non-Euclidean geometries. ***(This is a high school credit course.)***

M/J Band 2

Designed for the student who has satisfactorily completed beginning band or who can demonstrate required competencies. At the completion of this course, the student will be expected to demonstrate improved instrumental techniques and concepts and have a broadened appreciation for reading and performing music. Admission is by teacher approval.

M/J Orchestra 1

Enables students with no experience to develop beginning level skills on bowed string instruments through the performance and refinement of a variety of orchestral literature in an ensemble setting. Extra rehearsals and performances are required.

M/J Chorus 1

Designed for the student with limited musical experience. It is open to all students and no audition is required. Covers basic musicianship, proper tonal production, breath control, and vocal techniques. Develops the ability to sing in two- and three-part harmony and sight-read simple melodic lines and rhythms. Extra rehearsals may be required.

M/J Chorus 2

Designed to develop sight-reading skills, proper vocal techniques, and tonal production. Involves performances, which include solos, ensembles, and large group experiences. It also develops ability to sing in three- and four part harmony. Extra rehearsals and performances are an integral part of this course. Admission is by teacher approval.



M/J International Baccalaureate Exploratory Career Wheel 1 and Career Planning

Includes educational planning using the online student advising system, FACTS.org and will result in the completion of a personalized academic and career plan. Students explore various career clusters as they rotate through Family and Consumer Sciences, Business Education, and Technology Education

Science Research

Clearlake's Science Research Program has a reputation for producing original student research and science fair winners. In science research students develop and complete sophisticated, original scientific research. Science research students will compete in the mainland science fair.

Computer Applications in Business 1

Introduces career opportunities in the field of computers, and hands-on practical experience using application software. Provides the opportunity to use business decision making and problem solving methods, identify the parts and functions of a computer system, perform computer activities, identify uses of the computer and become familiar with occupations dealing with computer hardware and software.

Computing for College and Careers

Provides a basic overview of current business and information systems and trends. Students learn the basics and foundations required for today's business environments. Touch keyboarding, fundamental computer applications, presentation applications, databases, and spreadsheets are emphasized. This class is only available to 8th grade students.

(This is a high school credit course.)

What is so special about IB programmes?

- IB programmes are recognized around the world and ensure an increased adaptability and mobility for IB students.
- The curriculum and pedagogy of [IB programmes](#) focus on international perspectives of learning and teaching, while insisting that students fully explore their home culture and language.
- IB World Schools must undergo an exhaustive authorization process in order to offer one or more of the programmes, which includes a study of the school's resources and commitment to the IB [mission](#) and philosophy.
- IB teachers participate in a wide variety of [professional development](#) opportunities to constantly update their knowledge and share their expertise with colleagues around the world.
- Many students graduating from the Diploma Programme find that it enhances their opportunities at tertiary institutions. The IB works closely with universities around the world to gain [recognition](#) for IB programmes.
- The core components of IB programmes encourage students to participate in creative and service-oriented activities, while at the same time emphasizing the importance of reflection on a personal and academic level.
- The IB produces publications for schools to inform and support them as they offer IB courses. It is now beginning to produce material for use directly with students and to work closely with selected publishers and providers to offer material for students. These materials only will carry an IB logo.

Television Production

Television Production is a single period introductory course designed for students thinking about taking "communications" courses in high school and those just wanting to learn more about video production in general. Utilizing various techniques and hands-on training, students become competent in specific areas of video production. Students work with very expensive equipment and must often meet deadlines. One deadline that has to be met is the morning announcements that is pre-recorded and distributed through the school wide TV cable to each class.

Culinary Careers

Provides instruction for making informed decisions regarding future academic and occupational goals and to provide information regarding culinary careers found within the hospitality industry. Emphasis includes resource management; exploration of careers in the culinary field; food safety and sanitation; safe, proper use of culinary tools/equipment; interpreting recipes and developing menus; basic food preparation skills; front-of-the-house and back-of-the-house responsibilities; artistic presentation of food; and the use of technology in the culinary field.

Interior and Fashion Design

Overview of Fashion and Interior Design skills and related careers. Opportunity to develop leadership, communication and employability skills through coursework and lab situations. The student will select and use appropriate tools for each assignment demonstrating basic machine and hand sewing skills. Students will be able to design and complete several projects relating to Fashion and Interior Design. Also includes a study of fashions, fads, design elements, wardrobe budget and planning.

Exploring Technology

Introduces technological resources and processes. Application of problem solving and critical thinking to technologies related to aerospace, engineering, laser/fiber-optics, construction, drafting, electronics, communications, simple machines, transportation, manufacturing, computer numerically controlled machining/ robotics and bio-technologies occupations, job requirements, career opportunities, entrepreneurship, employability skills and related leadership skills.

Graphic Arts

Adobe Photoshop is an introductory course designed for students to use image editing software by retouching and selecting tools, layers, effects, and filters to create multi-image montages. Students will also get a good understanding of file sizes, file types and the correct color balances needed for proper image exposure.

Upon successful completion of this course, students will be able to:

- Explore Photoshop Elements
- Paint and retouch images
- Enhance an image and prepare it for print and web
- Create cut-outs and manipulate photographs

M/J Art/Art Appreciation

Acquaints students with the fundamentals of art. The student will develop skills in using media (crayon, tempera, pen and ink, watercolor, magic marker); in working with stimulus (imaginary scenes, abstractions, geometric forms, emotions); and, in applying principles of art (balance, variation, emphasis, contrast, unity, rhythm, and repetition).



Robotics

Students in the class will become members of an FLL team (First Lego League) and are presented with a Challenge based on a set of real-world problems facing scientists and engineers today. The Challenge has two parts: 1. A robot game where teams design, build, test, and program autonomous robots that must perform a series of tasks, or missions. 2. In the project, teams conduct research and create a technological or engineering solution to an aspect of the Challenge and present that solution.



M/J Comprehensive Physical Education Grades 6/7

This course is designed to be an introductory course into middle school Physical Education. The purpose of this course is to provide a foundation of knowledge, skills, and values necessary for the development of a physically active lifestyle. The course content provides exposure to a variety of movement opportunities and experiences. The integration of fitness concepts throughout the content is critical to student success in this course and in the development of a healthy and physically active lifestyle.

M/J Comprehensive Physical Education Grades 7/8

The purpose of this course is to build on previously acquired knowledge, skills, and values necessary for the development of a physically active lifestyle. The course content provides exposure to a variety of movement opportunities and experiences. The integration of fitness concepts throughout the content is critical to student success in this course and in the development of a healthy and physically active lifestyle.