

Instituto
EMBRAER

EMBRAER CASIMIRO MONTENEGRO HIGH SCHOOL

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ADMINISTRATION

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SCHOOL COUNCELORS

Renato Augusto da Silva, M.Ed. – School
Principal

College Counseling Office

Andre Messias – College Counselor
(Grades 10 and 11)

Cladia Gabriel – College Counselor (Grade
12)

2026 High School Profile

OVERVIEW

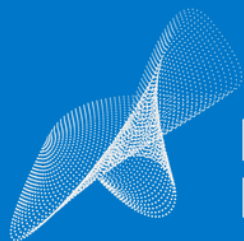
Embraer Casimiro Montenegro High School (Embraer High School) is a three-year-long (10-12th grade), private and non-religious high school located in the city of Botucatu, São Paulo State, Brazil. It was founded in 2013, as the main private social investment of Embraer Aircraft Industry and since then, has maintained 240 students every year.

As part of Embraer's social investment, 80% of Embraer High School students come from low-income families and receive full scholarships that cover full-time classes, tuition, uniforms, transportation, school supplies and meals. To receive this benefit, they must be approved through a well-attended exam that selects candidates from across the region of Botucatu.

Its pedagogical purpose is based on the students' academic and professional excellence. Embraer High School aims to form conscious citizens with positive attitudes regarding social, environmental, and cultural dimensions, who will be capable of acting critically in the real world in order to transform it.

SCHOOL PILLARS

Embraer High School's pedagogical system is based on three pillars: Standard Curriculum, Life Project and Vocational Education. While Standard Curriculum is related to the basic and mandatory content for the high schools in Brazil, the Life Project and Vocational Education are unique and innovative methods focusing on developing the student as a person and professional.



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GRADING SYSTEM

The academic year is divided into three terms. Students can earn a maximum of 30 points in the first term and 35 points in each of the second and third terms, totaling 100 points per subject annually.

To pass a subject, students must earn at least 60% of the total score and maintain a minimum attendance rate of 75%. Students who achieve a final grade of 75% or higher in any subject are awarded an academic honor titled "Master."

GRADING SCALE

Classification	Grade
Master	75 - 100
Proficient	61 - 74
Basic	41 - 60
Limited	21 - 40
Insufficient	00 - 20

Ranking: Embraer High School does not present any official ranking system.

Due to its high competitive selection process, the Embraer High School has a more tough grading system. All the students accepted used to be the best students with the best grades in their previous schools. In this way, we elevate the level of excellence and results by requiring more of the students. As a result, a student with 61 grade would probably a 71 or a 81 in a different school.

2026 High School Profile

CURRICULUM

The academic year is divided into three terms and organized on a rotating schedule. Each school day includes ten 50-minute intensive classes, taught in Portuguese. Classes run from Monday to Friday, starting at 7:20 a.m. and ending at 5:15 p.m. In addition to the 16 mandatory subjects required by the Brazilian Ministry of Education, Embraer High School offers co-curricular programs that enhance students' overall development.

OUR RESULTS

Annually, more than 80% of our students get accepted in with full scholarship in the most disputed universities in Brazil, the public ones, such as University of São Paulo, University of Campinas and much more.

Usually, the best high school only get a 60% rate of approval in this universities.

ACHIEVEMENTS

The Embraer Casimiro montenegro High School is ranked among the best high schools in Brazil in the ENEM (Nation Exam of High Schools, in Brazil).

MORE INFORMATION

<https://www.embraer.com/instituto-embraer/colegios-embraer/pt/>

Standard Curriculum

- **Mathematics:** Develops logical reasoning and problem-solving skills through the study of algebra, geometry, functions, statistics, probability, and introductory calculus concepts.
- **Physics:** Explores the principles governing natural phenomena, addressing mechanics, thermology, optics, wave phenomena, electricity, and modern physics through theoretical and experimental investigation.
- **Chemistry:** Studies the composition, structure, and transformations of matter, developing skills related to chemical reactions, material properties, and their applications in daily life and technology.
- **Biology:** Investigates the processes that characterize living beings, encompassing genetics, evolution, ecology, physiology, biotechnology, and the relationships between science, environment, and society.
- **History:** Analyzes historical processes in different times and spaces, promoting a critical understanding of the social, political, economic, and cultural transformations of humanity.
- **Geography:** Examines the organization of geographic space and the interactions between society and nature, addressing physical, economic, political, demographic, and environmental aspects on a local and global scale. Sociology: Encourages understanding of social relations, institutions, and contemporary cultural dynamics, developing critical thinking about citizenship and social participation.

Standard Curriculum

- **Philosophy:** Promotes critical reflection on knowledge, ethics, aesthetics, politics, and human existence through the study of different philosophical currents and the exercise of argumentation.
- **Portuguese Language:** Develops reading, interpretation, linguistic analysis, and oral and written production skills, based on the study of the Portuguese language in its various uses and contexts.
- **English Language:** Develops communication in English by expanding oral and written comprehension, production, and interaction skills, associated with knowledge of different cultures.
- **Physical Education:** Promotes the integral development of students through physical, sports, and health promotion practices, encouraging active lifestyle habits, cooperation, and leadership.
- **Art:** Explores different artistic languages, including visual arts, music, theater, and dance, developing creativity, expression, aesthetic sensitivity, and cultural repertoire.
- **Literature:** Analyzes Brazilian and international literary works and movements, expanding the capacity for critical interpretation, aesthetic appreciation, and understanding of historical and cultural contexts.
- **Text Production:** Develops writing skills through the production, revision, and improvement of different text genres, with an emphasis on argumentation, authorship, and effective communication.

Vocational Education

In 10th and 11th grade, students take part in a career-planning program designed to support their post-secondary educational choices. The Pre-University Track component (480 hours) includes targeted coursework in humanities, biological sciences, and engineering fields.

Each student must choose one of those tracks and complete all the subjects listed below.

Although guided by experienced teachers, the program encourages student leadership and autonomy. At the end of the process, students are required to develop alternative projects that apply the knowledge they have gained to solve social or environmental problems in the Comprehensive Project.

Humanities	Biological Sciences	Engineering
-Fundamentals of Economics and Financial Management -Law, Politics and International Relations 1 -Advertising and Publicity -Management and Innovation in Administration -Responsible Communication and Media Training -Entrepreneurial Culture -Social Technology 2 -General Theory of the State and Human Rights -Conscious Consumption and Sustainability -Law, Politics and International Relations 2 -Marketing and Sales Strategies -Social Technology 1 -Comprehensive Project	-Biochemistry and Health -Energy Processes -Scientific Research Processes -Genetics and Evolution -Analytical Strategies -Food Science -Social Technology 1 -Case Studies in Natural Sciences -Ecology Applied to ESG -Social Technology 2 -Morphophysiology -Microbiology -Comprehensive Project	-Materials Science 1 -Principles of Electricity -Financial Education -Mechanics 1 -Social Technology 1 -Programming Language -Mechanics 2 -Aeronautical Sciences -Materials Science 2 -Microcontroller Programming -Social Technology 2 -Technical Drawing and Digital Tools -Comprehensive Project

Life Project

We believe that achieving the best academic performance requires maintaining good personal and collective health and well-being. To this end, Embraer Schools have a team of educational psychologists and psychologists to monitor the socio-emotional health of students and provide weekly subjects and spaces for leisure and rest.

Subject	Description
Professional Path	Guides students in identifying interests, aptitudes, and career possibilities, supporting academic choice processes, professional planning, selection process management, and employability.
Affinity and Coexistence	Promotes the development of interpersonal relationships through collaborative experiences that strengthen autonomy, mutual respect, appreciation of diversity, and the construction of a culture of peace.
Life Intelligence	Develops essential socio-emotional skills for holistic development, promoting self-awareness, empathy, critical thinking, collaboration, and effective communication in different personal and social contexts.

Embraer High School emphasizes holistic human development. Through a variety of projects and activities, students develop social-emotional skills and personal behaviors that go beyond academic learning, helping them to build a meaningful life plan.

Project	Description
Mini Gliders Challenge	The Mini-Glider Challenge aims to provide 8th and 9th grade students in the public school system with workshops for building and testing mini-gliders, aiming to evaluate, in practice, their performance during the Flight Competition. The main motivation of the activity is to awaken in public school students an enthusiasm for aviation through the execution of a project for an aircraft that flies without the use of an engine, referred to here as a mini-glider, bringing initial knowledge about the principles of flight. The students of Embraer High School participate as volunteers, helping the young ones in ther activities and learning..
Science and Sustainability Olympics for Girls	The Embraer Institute's Olympics were created to encourage students in the public school system to become interested in Science and Technology by offering an enriching experience for the intellectual and practical development of 7th and 8th grade students. The students of Embraer High School participate as volunteers, helping the young ones in ther activities and learning..

Other Projects and Activities

Project	Description
Model United Nations	Model UN was created as a complementary activity to the High School curriculum, offering students the opportunity to reflect on and debate topics related to human rights, politics, economics, security, peace, and the environment. As they seek solutions to these international issues, students put into practice important skills such as public speaking, negotiation, cooperation, tolerance and leadership. In addition, they develop essential values such as empathy, citizenship and autonomy, contributing to their growth as engaged and responsible global citizens.
Sports Training	Embraer High School offers extracurricular sports classes for students interested in practicing athletics beyond the regular curriculum. Sports offered include volleyball, soccer, and basketball. The program also provides opportunities for students to participate in local qualifying competitions.
Decades Program	During the 11th grade all the students must develop a interdisciplinary project know as Decades Program, which consists in a reseach project and a theater play focused on the cultural movements of the decades of 60', 70', 80' and 90'. Besides learning about historical topics, the students also develop a myriad of different abilities, such as comunicational skills and critical thinking.
Volunteering	As a part of a non-profit institution, the Casimiro Montenegro High School fosters volunteering activities. The studantes are supported to develop their own volunteering projects and being part of the Embraer Institute's programs.