

JCIB Middle School
Course Descriptions
SIXTH GRADE
2019-20

English Language Arts 6, Advanced- Reading literature, reading informational text, writing, speaking and listening, and language. This course is appropriate for students interested in a wide range of postsecondary options.

Math 6 - Students will know that there are numbers that are not rational, and approximate them by rational numbers; work with radicals and integer exponents; understand the connections among proportional relationships, lines, and linear equations; analyze and solve linear equations and pairs of simultaneous linear equations; define, evaluate, and compare functions; use functions to model relationships between quantities; understand congruence and similarity using physical models, transparencies, or geometry software; understand and apply the Pythagorean Theorem; solve real-world and mathematical problems involving volume of cylinders, cones, and spheres; and investigate patterns of association in bivariate data.

Science 6, Advanced - Physical Science concentrates on the composition and properties of matter; examining forces and predicting and developing explanations for changes in motion; the conservation of energy, energy transformations, and applications of energy to everyday life; and types and properties of waves and the use of waves in communication devices with integration of science and engineering practices

Social Studies 6, Advanced – Chronological history of the world: survey of early and classical civilizations; world expansion of agrarian and commercial civilizations from beginnings to 1500. (Students must qualify to take the advanced course. Details on parent information page.)

Physical Education – Physical Education is a year-long course designed to increase physical fitness and teach individual/team sports.

SurvElec6-8 -Exploratory Survey is the combination of two semester classes, two taught first semester and two taught second semester. The courses taught vary by term. Courses include Spanish, French, German, and the IB Learner Profiles.

ELECTIVES:

Music (Choir) 6 – Choir is a year-long course in which students learn to improve their singing skills through singing different types of music and learning to read music. Our choirs perform one concert at the end of each nine weeks and occasionally at other events.

Band 6 – Band is a year-long course. The band director will assign the correct level of band, beginning, intermediate, or advanced.

Technology Ed 6 -A foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications.

Visual Arts 6 -Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized.