

**JCIB Middle School**  
**Course Descriptions**  
**SEVENTH GRADE**  
**2019-20**

**English Language Arts 7, Advanced** -Reading literature, reading informational text, writing, speaking and listening, and language.

**Math 7, Honors/Advanced**, -- Students will analyze proportional relationships and use them to solve real-world and mathematical problems; apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers; use properties of operations to generate equivalent expressions; solve real-life and mathematical problems using numerical and algebraic expressions and equations; draw, construct, and describe geometrical figures and describe the relationship between them; solve real-life and mathematical problems involving angle measure, area, surface area, and volume; use random sampling to draw inferences about a population; draw informal comparative

**Life Science 7 , Honors/Advanced** - Advanced Life Science concentration on the structure and function of cells and their connections to organs and organ systems; the interactions between living organisms and between biotic and abiotic factors; explanations of genetic variations, results of genetic mutations, and impacts of genetic technologies; and the patterns of change in populations of organisms over a long period of time and the relationship between natural selection and the reproduction and survival of a population with integration of science and engineering practices.

**Geography/Civics 7 Honors/Advanced**– Students must take Civics 7 (regular or advanced) to complete the requirement for 7th grade. Advanced work in cultural geography emphasizing Eastern Hemisphere; places and regions; physical systems; human systems;relationships between people and their environment. Students must also take Geography 7 (regular or advanced) to complete the requirement for 7th grade. Advanced work in the U.S. founding documents; representative democracy; law; personal finance; U.S. political system; civic participation and responsibility.

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

**French Exploratory** -Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of French-speaking cultures

**Spanish Exploratory** -Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Spanish-speaking cultures

**German Exploratory-** Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of German-speaking cultures

**ELECTIVES:**

**Music (Choir) 7** – 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 7** – Band is a year-long course. The band director will assign the correct level of band, beginning, intermediate, or advanced.

**Computer Science Discovery** - Focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber security concerns, and computing impacts.

**Visual Art 7** -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.