Edmentum - Courseware Grades 6-8

The attached document provides information about course offerings through Edmentum that will be available to Beavercreek students who plan to attend virtually during first semester of the 2020-2021 school year. These courses represent offerings that meet the standards for middle school requirements for state of Ohio. Some course options will be limited to only the appropriate grade levels. A registration form with further guidance will be available on August 5th for students who complete their One View form and select our online learning option.

Courses shaded in green are offered as scholarship and/or honors courses online. Students must meet the criteria as listed in the Beavercreek City Schools Middle School Program of Studies in order to register for these courses online.

Courseware Online Course Name	Online Course Description	Honors and Scholarship Information
Math		
Math 6 (A/B)	This middle school course will provide students with a deep understanding and mastery of the objectives that will prepare them for algebra. It is aligned to Common Core State Standards, and is based on best practices in the teaching of mathematics and the disciplines of STEM learning. Students will develop 21st century skills as they master ratios and proportional relationships; the number system; and number visualization.	Scholarship Math 6, Honors Math 6 (grade 5 accelerated students only)
Math 7 (A/B)	Math 7 builds on material learned in earlier grades, including fractions, decimals, and percentages and introduces students to concepts they will continue to use throughout their study of mathematics. Among these are surface area, volume, and probability. Real-world applications facilitate understanding, and students are provided multiple opportunities to master these skills through practice problems within lessons, homework drills, and graded assignments.	
Math 8 (A/B)	This course is designed to enable all students at the middle school level to develop a deep understanding of math objectives and leaves students ready for algebra. The first semester covers objectives in transformations, linear equations, systems of equations, and functions. The second semester focuses on scientific notation, roots, the Pythagorean Theorem and volume, and statistics and probability. The course is based on the Common Core State Standards Initiative and on a modern understanding of student learning in mathematics.	
Pre-Algebra (A/B) - ***Recommendation or Prerequisite Required***	This course will be a blend of seventh and eighth grade standards. The Grade 7 content includes proportional relationships, two- and three- dimensional geometry and probability. The Grade 8 content includes linear equations, systems of linear equations, functions and the Pythagorean Theorem.	Honors Pre-Algebra 7, Scholarship Pre-Algebra 7
Ohio Algebra 1 (A/B) ***Recommendation or Prerequisite Required***	Ohio Algebra is a two-semester course designed to improve and assess students' mathematical skills. It includes lessons that focus on the graphical representation of linear and nonlinear relationships. Students will create, graph, and solve linear and exponential equations and inequalities. They will use function notation to describe relationships between quantities and interpret function notation to solve problems. Students will learn to determine explicit and recursive functions that model arithmetic or geometric sequences. This course also has lessons on representing and analyzing data, and on manipulating and interpreting expressions, quadratic equations and inequalities, and functions. Students will add, subtract, and multiply linear and quadratic polynomials. They will create, graph, and solve quadratic equations and inequalities in one and two variables. Students will rewrite, graph, and interpret quadratic, absolute value, piecewise, and step functions. They will use functions to model relationships between quantities, identify the effects of transformations on functions, and compare representations of functions. Online discussions, course activities, and unit activities help students to develop and apply critical thinking skills.	Scholarship Algebra 1, Honors Algebra 1
Ohio Geometry (A/B) ***Recommendation or Prerequisite Required***	OH Geometry is a two-semester course designed to cultivate and periodically assess students' subject-matter knowledge while strengthening their mathematical skills. In this course, students will become acquainted with the history, logical structure, and development of geometry. They will experiment with transformations on the coordinate plane. Students will understand congruence in terms of rigid motion, prove geometric theorems, and make geometric constructions. They will prove theorems involving similarity and solve problems involving right triangles. In addition, students will use volume formulas to solve problems and prove simple geometric theorems algebraically. They will study the properties of circles and make constructions related to circles.	Honors Geometry

English Language Arts		
English 6 (A/B)	This course provides a strong foundation in grammar and the writing process. It emphasizes simple but useful composition and language mechanics strategies with multiple opportunities for modeling practical, real-world writing situations that will enable students to improve their written communication skills. Through a variety of grade-appropriate reading selections, students develop a clear understanding of key literary genres and their distinguishing characteristics.	Scholarship ELA 6, Honors ELA 6
English 7 (A/B)	English 7 Integrates the study of writing and literature through the examination of a variety of genres. Students identify the elements of composition in the reading selections to understand their function and effect on the reader. Practice is provided in narrative and expository writing. Topics include comparison and contrast, persuasion, and cause and effect essays, as well as descriptive and figurative language. Lessons are supplemented with vocabulary development, grammar, and syntax exercises, along with an introduction to verbal phrases and research tools.	Scholarship ELA 7, Honors ELA 7
English 8 (A/B)	Extends the skills developed in English 7 through detailed study of parts of sentences and paragraphs to understand their importance to good writing. Students also acquire study skills such as time management and improved test-taking strategies. Other topics include punctuation, word choice, syntax, varying of sentence structure, subordination and coordination, detail and elaboration, effective use of reference materials, and proofreading.	Scholarship ELA 8, Honors ELA 8

Science		
Science 6 (A/B)	This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets Next Generation Science Standards (NGSS) learning standards associated with a sixth-grade integrated science course focusing on physical science, Earth and space science, and ecosystems. Content topics include structure and properties of matter, forces and motion, the Earth and space, the history of the Earth, the interdependence of ecosystems, and weather and climate. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council. Lab materials note: All hands-on labs employ relatively-common household materials.	
Science 7 (A/B)	This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with a seventh-grade integrated science course, focusing on cells, the life cycle, nutrition, chemical reactions, force fields, and energy. Content topics include cells and human body systems, the life cycle, nutrition and energy, chemical reactions, force fields, and energy. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences. Lab materials note: All hands-on labs employ relatively-common household materials.	
Science 8 (A/B)	This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with an eighth-grade integrated science course. Content topics include genes and adaptations, evolution, energy and the Earth, the Earth's changing climate, waves, and technology and human impacts on the Earth. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences. Lab materials note: All hands-on labs employ relatively-common household materials.	

Social Studies		
Ohio Social Studies 6, (A/B)	Ohio Social Studies for grade 6 is an engaging, interactive course that offers students a chance to delve into topics like historical thinking skills, geography, civics, economics, and world history. Each unit of the course aligns to the Ohio state standards for grade 6 students, and teachers will find that the course also aligns to the English Language Arts (ELA) Standards for History and Social Studies. In semester A, students will study a variety of topics, including skills that historians use when studying the ancient past, the concept of cultural diffusion, different systems of government, and basic economic concepts. Semester B focuses on events in world history from early humans to the development of classical civilizations in different regions around the world.	

Ohio Social Studies 7, (A/B)	The theme of this grade 7 social studies course is world studies covering the time period from Ancient Greece to the First Global Age. Throughout the course, students will interact with embedded features—interactive timelines or short videos that relate to course content—that will keep them engaged and encourage the growth of skills associated with studying this content.	
Middle School US History (8) (A/B)	In Middle School U.S. History, learners will explore historical American events with the help of innovative videos, timelines, and interactive maps and images. The course covers colonial America through the Reconstruction period. Learners will develop historical thinking and geography skills, which they will use throughout the course to heighten their understanding of the material. Specific topics of study include the U.S. Constitution, the administrations of George Washington and John Adams, the War of 1812, and the Civil War.	

Electives		
Middle School Health (6 and 7) *Required Course for 6th and 7th Grade*	Middle School Health Middle School Health aids students in creating a foundation of personal health. Beginning with properly defining health, this course then builds upon basic health practices to emphasize the importance of balance. Attention is given to each of the six dimensions of wellness; namely, physical, intellectual, emotional, spiritual, social, and environmental. Students are taught the skills necessary to improve every aspect of health. They are also encouraged to reflect upon their own personal wellness each week	
Spanish 1 (A/B) - 8th grade only	Spanish is the most spoken non-English language in U.S. homes, even among non-Hispanics, according to the Pew Research Center. There are overwhelming cultural, economic, and demographic reasons for students to achieve mastery of Spanish. Spanish 1A and B engage students and use a variety of activities to ensure student engagement and to promote personalized learning.	
Middle School Career Explorations (6, 7, or 8)	Middle School Career Explorations What career are you best suited for? In this course, students will explore career options in many different fields including business, health science, public administration, the arts, and information technology.	
Middle School Photography: Drawing & Light (7 or 8)	This course introduces students to the basics of photography, including camera functions and photo composition. Students will engage their creativity by photographing a range of subjects and learning to see the world through the lens of their cameras.	
Middle School Physical Education (6,7) *Required Course for 6th and 7th*	This course focuses on students' self-awareness of their health and well-being while examining topics such as diet and mental health and exploring websites and other resources.	
Middle School Art (6)	The course explores the main concepts of art, expressions, and creativity as it helps students answer questions as what is art; what is creativity; and how and why people respond to art.	
Middle School Music (6, 7, 8)	This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments through the 21st century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.	

For the most up to date information on our Restart Plan, please visit https://gocreek.org/apps/pages/SchoolYear20-21