

FHSD

Middle School

Enrollment Guide

7th Grade

**Francis Howell
School District**



LEARNING TOGETHER

2021 – 2022

Francis Howell School District
4545 Central School Road
St. Charles, MO 63304
636-851-4000

SEVENTH GRADE COURSE SELECTIONS

Amended 02-02-21 – disregard all references to the Exploratory Wheels

The middle school day consists of **seven** courses. Five of the courses are required.

The following **five** full-year courses are required of all seventh grade students:

1. English Language Arts 7 or Pre-Advanced Placement English Language Arts 7
2. Math 7 or Pre-Algebra 7 or Algebra I 7 – Algebra will count for G.P.A. and credit on student’s high school transcript.
3. Science 7
4. Ancient World Civilizations 7 (Social Studies 7)
5. Physical Education and Health 7

*Core classes will be automatically uploaded.

This leaves **two** periods in a normal day to complete the student’s schedule.

This can be accomplished by selecting **one** of the following options **A, B, or C:**

Option A: Select all 8 Quarter-long courses. (18 out of 18 units)

Option B: Select one Year-long course and 4 Quarter-long courses (16 out of 18 units)

Option C: Select two Year-long courses (14 out of 18 units)

QUARTER-LONG ELECTIVES (NEW – In place of the Exploratory Wheel)

Pick elective courses in order of preference

0771003	Art 7
0771403	Family and Consumer Sciences 7 (FACS)
0771903	Industrial Technology 7
0771303	Music Production & Technology 7
0772113	Innovative Technology Design 7
0772403	Speech and Drama 7
7871603	World Language Discovery 7
0772023	Engineering By Design – Invent and Innovat (EbD) <i>[Bryan, Hollenbeck, FH Middle, Saeger]</i>
0772123	7 - Medical Detectives <i>[Barnwell only]</i>

YEAR-LONG ELECTIVES

Students must register for both semesters

Beginning Band Semester 1 7871331/Semester 2 7871332

Band 7 Semester 1 0771101/Semester 2 0771102

Choir 7 Semester 1 0771201/Semester 2 0771202

Spectra 7 (Must Qualify) Semester 1 0773001/Semester 2 0773002

NEW REQUIREMENT THIS YEAR: Must select preference for instruction for next school year as an alternate: In-Person or Virtual

NOTE: In order for a student to achieve their greatest potential academically and socially, a student may be placed in a Reading Intervention, MATH 180 or a support class. This course will take the place of option A, B, or C. Parents will be notified by letter before the end of the year if their student has been placed in one of these courses.

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7TH GRADE REQUIRED COURSE DESCRIPTIONS

ENGLISH LANGUAGE ARTS 7

This course is designed to provide students with the opportunity to explore enduring understandings that characterize the literature they read through the workshop model of volume reading and volume writing. Fiction categories will include short stories, novels, poetry, and drama. Non-fiction categories will include biography, essays/speeches, newspapers/magazines, print/electronic resources and poetry. Students will also demonstrate their comprehension of these understandings by writing formally and informally - including argumentative, narrative, and informational - with an emphasis on the development of various formats in writing. Students will use and analyze media in oral and visual presentations. They will also continue to develop information literacy research skills to ensure college and career readiness.

PRE-ADVANCED PLACEMENT ENGLISH LANGUAGE ARTS 7

This course is designed for students to engage in studies that have a greater degree of differentiated instruction and self-direction than the regular communication arts course and ensure college and career readiness. It is intentionally vertically aligned with/to the Pre AP and AP courses taught at the high school level.

Students will explore - through specific genres of fiction, non-fiction, and media - enduring understandings that characterize the literature they read with increased focus on analysis and evaluation. Students will read deliberately and thoroughly, taking time to understand a work's complexity and to absorb its richness of meaning. Careful attention to textual detail will provide a foundation for interpretation.

Students will demonstrate the ability to write formally and informally - including reflective/creative, argumentative, and analytical writing, with an emphasis on the development of various formats of Writing. Writing instruction will include attention to developing and organizing ideas in clear, coherent, and persuasive language; a study of the elements of style; and attention to precision and correctness.

Students will use and analyze media in oral and visual presentations. They will also continue to develop research skills and the citing of sources in MLA format.

Students who meet the criteria for this course will be notified. This course is not a prerequisite for high school Pre AP or AP courses, nor does it automatically qualify a student for those courses.

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MATH 7

This course is the second of a three-year sequence of courses designed to prepare students for a rigorous college preparatory high school mathematics course. On a daily basis, students in *Math 7* use problem-solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking. Under teacher guidance, students learn in collaboration with others while sharing information, expertise, and ideas. The course helps students to develop multiple strategies to solve problems and to recognize the connections between concepts.

Upon completion of this course, students should be able to: Use integers and complete operations with integers and rational numbers, including using the Order of Operations, use diagrams and equal ratios to represent part-whole relationships, use percents and scale factors to determine percent increase or decrease, discounts, and markups, use variable expressions to represent quantities in contextual problems, simplify variable expressions by combining like terms and using the Distributive Property, solve linear equations, including those with fractional coefficients and those with no solutions or infinitely many solutions, solve and graph one-variable inequalities, compare experimental and theoretical probabilities, distinguish between dependent and independent events and calculate the probability of compound independent events, represent probabilities of multiple events using systemic lists, area models, or tree diagrams, design, conduct, and analyze surveys, collect and compare data and describe the distribution of sets of data, solve distance, rate, and time problems, compare ratios and calculate unit rates, recognize and solve problems involving proportional relationships, recognize and use the properties of similar figures and scale factors to solve problems, describe angles, angle pairs, and their measures, compute area and perimeter of standard and compound shapes, and compute the volume of a variety of solids.

PRE-ALGEBRA 7

This course is a compacted course designed to prepare students for Algebra in 8th grade. It contains both Math 7 and Math 8 Missouri Learning Standards. On a daily basis, students in Pre-Algebra 7 will use problem-solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments to justify their thinking. This course includes all of the Math 8 content and half of the Math 7 content. Learning objectives include mastery of solving inequalities and equations, proportions and percents, statistics and angle relationships, circles and volume, and all Math 8 learning objectives. This class prepares students for Algebra I in 8th grade.

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ALGEBRA I-7

Algebra I-7 is the first course in a four-year sequence of college preparatory mathematics. This course aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations, inequalities, and systems. These skills are extended to solving quadratic equations, exploring linear, quadratic, and exponential functions graphically, numerically, symbolically, and as sequences, and by using regression techniques to analyze the fit of models to distributions of data. Algebra I-7 students will use problem-solving strategies, questioning, investigating, analyzing critically, gathering and constructing evidence, and communicating rigorous arguments justifying their thinking.

Students who meet the criteria will be notified. This course will count towards the student's high school G.P.A. and credit will be awarded on their high school transcript. Students must successfully complete Pre-Algebra as a prerequisite for this course.

SCIENCE 7

This course is designed to focus on three main topics: the basic principles of matter and energy, the characteristics and interactions of living organisms, and how all organisms interact with one another and their environment to survive. Scientific inquiry is embedded into each unit by encouraging students to ask and explore questions with hands-on activities. Technology is used as a tool to support learning and to give evidence of learning.

ANCIENT WORLD CIVILIZATION 7

This course is designed to explore the development of civilizations over time and studies the relationships between past events and present day. Students will study history from the beginnings of ancient civilizations through the medieval ages. Attention is given to the civilizations of Mesopotamia, Egypt, India, China, Greece and Rome, Middle Ages, Feudal Japan, Africa and Pre-Columbian America. This introductory course provides an overview of major ideals, attitudes, values, beliefs, and expectations that characterize areas and eras of the world.

PHYSICAL EDUCATION AND HEALTH 7

The physical education portion of this course is designed to encourage the refinement of motor skill combinations used in complex game environments. An introduction to the rules and strategies of individual/team sports is emphasized. Health-enhancing physical fitness is established through assessment and goal setting using FitnessGram fitness testing. Through participation, students will develop respect for others and an awareness of opportunities for lifelong fitness.

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The health portion of the curriculum is designed to increase student understanding of body systems, personal well-being, and social well-being throughout the year. Students will focus on decision making and goal setting necessary to maintain overall health and wellness.

ELECTIVES

EXPLORATORY WHEEL

The seventh grade exploratory wheel is an opportunity for students to experience many different areas of study. The students spend a quarter in each of the following courses: Art, Family and Consumer Sciences, Industrial Technology, Music Production & Technology, Speech and Drama, World Cultures, Innovative Technology Design, and Invention & Innovation (Engineering by Design). The experiences that students receive via the exploratory wheel in 6th and 7th grade are meant to help shape student elective choices in 8th grade and beyond.

WHEEL A

0771390 Semester 1

0771391 Semester 2

(These two semesters must be requested together.)

ENGINEERING BY DESIGN

This course is designed to provide students with opportunities to apply the design process in the invention or innovation of a new product, process, or system. In this course, students will learn all about invention and innovation. They will have opportunities to study the history of inventions and innovations, including their impacts on society. They will learn about the core concepts of technology and about the various approaches to solving problems, including engineering design and experimentation. Students will apply their creativity in the invention and innovation of new products, processes, or systems. Finally, students learn about how various inventions and innovations impact their lives. Students participate in engineering design activities to understand how criteria, constraints, and processes affect designs. Students are involved in activities and experiences where they learn about brainstorming, visualizing, modeling, constructing, testing, experimenting, and refining designs. Students also develop skills in researching for information, communicating design information, and reporting results.

FAMILY AND CONSUMER SCIENCES 7

This course is designed to familiarize students with the Family and Consumer Sciences program. Experiences in food preparation and nutrition, sewing machine/equipment use, and project construction are introduced.

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MUSIC PRODUCTION AND TECHNOLOGY 7

This course is designed as a hands-on course that allow students to continue an exploration of music production and audio engineering, while introducing basic video production skills, with an emphasis on technology. Students will learn the essentials of music and video production with programs such as GarageBand and iMovie.

SPEECH AND DRAMA 7

This course is designed as a performance course designed to improve the students' abilities to present themselves in front of an audience. Students will learn drama, speaking, and listening skills. Topics include types of communication, basic acting, public speaking, mass media, electronic communication and performance production. Speech and Drama I performances teach presentation techniques for informative and demonstration speeches, pantomimes, improvisations, monologues and skits. The students' training will develop critical and creative thinking ability. Techniques taught in Speech and Drama are beneficial in many core classes.

WHEEL B

0771395 Semester 1

0771396 Semester 2

(These two semesters must be requested together.)

ART 7

Seventh Grade Art is designed to introduce and explore an openness to the creative process. Students will create, present, connect, and respond to their ideas through the freedom of artistic expression. Using reflection and artist statements, students will be engaged and transformed through personal art experiences. Media may include graphite, pastels, paint, or clay. Growth will be measured through active participation, studio work and portfolio production.

INDUSTRIAL TECHNOLOGY 7

This course is designed to cover the safe use of the basic tools, machines, materials, and processes of industrial technology. Students will have experiences using different materials and technologies. A variety of student-constructed projects will give them "hands-on" and problem solving experiences. Students will be evaluated on written tests and project proficiency.

INNOVATIVE TECHNOLOGY DESIGN 7

This course is designed to build on technology skills while using software which includes games and core subjects digital skills. Students will relate to the use of technology in daily life learning about 3D modeling and design, utilizing collaborative digital tools, designing with microcomputers, brainstorming and problem solving various aspects of the use of technology to become 21st century technology users.

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WORLD LANGUAGE DISCOVERY 7

This course is designed to introduce students to the French, German, and Spanish languages and cultures through vocabulary, games, songs, and related activities. Topics to be covered may include colors, numbers, greetings, food, transportation, clothing, family, and telling time. This class is not a prerequisite for Level I Foreign Language study.

The following electives are Year-Long courses:

BEGINNING BAND

7871331 Semester 1
7871332 Semester 2

This course is designed for any middle school student without previous band experience. Students will work with others to learn how to play an instrument and perform in at least two concerts during the school year. Through the exploration of a new instrument, students will learn how to read and perform music, and will develop lifelong skills such as responsibility, personal goal-setting, and teamwork. Contact the school's band director if you have questions about instrument selection and how to sign up.

BAND 7 (Previous band and/or private lessons and teacher approval required)

0771101 Semester 1
0771102 Semester 2

This course is designed as a performance course comprised of students who have had at least one year of instruction and have attained an average or above level of proficiency on their instrument. Course work will include reviewing, reinforcing, and expanding knowledge of music fundamentals and techniques through concert literature and instrumental method books. All bands will perform at least two concerts during the school year.

CHOIR 7

0771201 Semester 1
0771202 Semester 2

This course is designed as a performance course where techniques of tone production, posture, diction, breathing, and intonation will be emphasized and the ability to match pitch is recommended. In addition, reading of pitches, rhythms, and score markings will be a significant portion of the course. Part singing, musicianship, qualities of interpretation, style, dynamics, phrasing, balance, and group consciousness will be introduced. Some attention will be given to developing the solo voice. Music will include unison, two, and three part harmony. Students will be evaluated on singing, active class participation, written work, tests, and participation in concerts. Students are expected to perform in at least two concerts during the school year. Special concert attire may be required by the instructor.

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SPECTRA (for students enrolled in gifted program)

0773001 Semester 1
0773002 Semester 2

This course is designed as an elective course for middle school students in the gifted program. Students further develop and refine communication, collaboration, creative thinking, and critical thinking. The course will also address those social and emotional needs that are common in gifted adolescents. Students learn how to complete an independent choice project, plan for careers/life after high school, and problem-solve through a STEAM (Science, Technology, Engineering, Art and Math) unit. Students are expected to independently learn and take ownership in their education.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) PROGRAM

The ESOL program at the middle school level supports English Learners (ELs) acquiring skills to communicate effectively in English in the areas of reading, writing, speaking, listening, viewing, and presenting. Students study curriculum-based content while focusing on English language learning. Students who qualify for ESOL services may receive ESOL instruction and support based on their needs. Students attend regular content area classes with their age-appropriate peers.

ESOL Support

This class is designed to help English Learners to improve their academic language skills. Students will receive direct instruction in the structures of writing, reading strategies, and vocabulary building, as well as their listening and speaking skills. The ESOL teacher collaborates with regular classroom teachers to also provide academic support and homework help for the English Language Learner to be successful while gaining proficiency in English.

MISSOURI COURSE ACCESS PROGRAM (MOCAP)

The Francis Howell School District participates in the Missouri Course Access Program (MOCAP). Because virtual instruction can be an effective education option for some students, there may be courses available either through a district-provided virtual option or through the Missouri Course Access Program (MOCAP). More information about virtual courses can be found on our website at: <https://goo.gl/TmFoSu>. Students and their parent(s)/guardian(s) should meet with their counselor if interested in MOCAP courses.

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MIDDLE SCHOOL SUMMER SCHOOL
READING AND MATH ASSISTANCE

Parents of students entering grades 6 - 8, needing assistance in Reading and Math, will be contacted about participation in the middle school summer school program. These students will have the opportunity to enroll.

For additional information about the Middle School Summer School, please contact FHSDsummerschool@fhdschools.org or call (636) 851-4012.