Festus Middle School Course Description Guide

2021-2022

Festus Middle School

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Course Description Guide

Introduction

The purpose of this booklet is to inform you and your parents of some basic information about the courses offered at Festus Middle school. Festus Middle School's main purpose is to prepare students for a successful entrance into high school while addressing their physical, emotional and intellectual needs as adolescents.

You will note that academic classes are required. All students are required to take PE and Literacy for one semester as well as Health for one quarter. The exploratory classes include: Family and Consumer Science, Technology, Art, Band, Choir, Yearbook, Library Aid, and French. Some courses are taught at different levels of difficulty. This is to provide the students with opportunities to be successful in areas commensurate with their abilities.

It is not too early to begin thinking about college and careers. College entrance requirements are becoming more restrictive each year and early planning is almost an absolute. Our school counselor will help guide you through the process.

Opportunities to Earn High School Credit

FMS offers two courses where an 8th grade student can receive High School credit while enrolled in the Middle School. Both French I and Algebra I are classes where students will receive high school credit on their transcript once they have successfully completed this course. The grade received in these courses will directly impact the student's GPA for High School.

Career Paths and Career Clusters

Students at Festus Middle School are encouraged to choose courses based on their identified career cluster. Career clusters can be identified by taking the Career Cluster Inventory through Missouri Connections or by self-identification. Students at Festus Middle School begin looking into these career clusters during their 6th grade year.

Missouri has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way. Those six Career Paths are: Arts & Communications; Business, Management & Technology; Health Services; Human Services; Industrial & Engineering Technology; and Natural Resources & Agriculture.

Missouri uses 16 Career Clusters as a way of organizing occupations and careers to assist educators in tailoring rigorous coursework and related activities for all students. The Career Clusters include all occupations, even those not usually found in career and technical education. The 16 Career Clusters are: Health Science; Arts, A/V Technology & Communications; Information Technology; Marketing, Sales & Service; Finance; Business, Management & Administration; Agriculture, Food & Natural Resources; Education & Training; Law, Public Safety, Corrections & Security; Government & Public Administration; Hospitality & Tourism; Human Services; Transportation, Distribution & Logistics; Manufacturing; Architecture & Construction; Science, Technology, Engineering & Mathematics.

FIND YOUR FUTURE IN
Career Paths & Career Clusters

WWW.MISSOURICONNECTIONS.ORG

Science, Technology, Engineering and Mathematics
Engineering and Technology
Science and Math

Architecture and Construction
Design and Pre-Construction
Construction
Maintenance and Operations

Manufacturing
Production
Manufacturing Production Process Development
Maintenance, Installation and Repair
Quality Assurance
Logistics and Inventory Control
Health, Safety and Environmental Assurance

Transportation, Distribution and Logistics
Transportation Operations
Logistics, Planning and Management Services
Warehousing and Distribution Center Operations
Facility and Mobile Equipment Maintenance
Transportation Systems and Infrastructure
   Planning, Management and Regulation
Health, Safety and Environmental
   Management
Sales and Services

Health Science
Biotechnology Research
   and Development
Therapeutic Services
Diagnostics Services
Health Informatics
Support Services

Human Services
Early Childhood Development and Services
Counseling and Mental Health Services
Family and Community Services
Personal Care Services
Consumer Services

Hospitality and Tourism
Restaurants and Food and
   Beverage Services
Recreation, Amusement and Attractions
Travel and Tourism
Lodging

Government and Public Administration
Public Management and Administration
Governance
National Security
Foreign Service
Planning
Revenue and Taxation
Regulation

Law, Public Safety, Corrections and Security
Correction Services
Emergency and Fire Management Services
Security and Protective Services
Law Enforcement Services
Legal Services

Education and Training
Administration and
   Administrative Support
Professional Support Services
Teaching and Training

Industrial & Engineering Technology
Building & Fixing Path

Health Services
Health Path

Human Services
Helping Path

Foundation Knowledge & Skills
Academic & Technical Skills
Teamwork   Career Development
Information Technology Application
Problem Solving   Critical Thinking
Employability   Ethics   Systems
Safety, Health & Environment
Legal Responsibilities
Communication

Arts & Communication
Creative Path

Natural Resources Agriculture
Nature Path

Business, Management & Technology
Business Path

Agriculture, Food and Natural Resources
Food Products and
   Processing Systems
Plant Systems
Animal Systems
Power, Structural and
   Technical Systems
Natural Resources and
   Environmental Systems
Agribusiness Systems

Arts, A/V Technology and Communications
Audio and Video Technology and Film
Printing Technology
Visual Arts
Performing Arts
Journalism and Broadcasting
Telecommunications

Information Technology
Network Systems
Information Support and Services
Interactive Media
Programming and Software Development

Marketing, Sales and Service
Management and Entrepreneurship
Professional Sales and Marketing
Buying and Merchandising
Marketing Communications
   and Promotion
Marketing Information Management
   and Research
Distribution and Logistics
E-Marketing

Finance
Financial and
   Investment Planning
Business Financial
   Management
Banking and Related Services
Insurance Services

Business, Management and Administration
Management
Business Financial Management
   and Accounting
Human Resources
Business Analysis
Marketing and Communications
Administrative and Information

Course Descriptions

English Language Arts

FULL YEAR COURSES
ELA (7)
Advanced ELA (7)
ELA (8)
Advanced ELA (8)

SEMESTER REQUIRED COURSES
Literacy (7 & 8)

ELA (7) This course is a comprehensive reading and writing class for seventh grade students. Reading skills and strategies are taught with an emphasis on improving comprehension and analysis of various fiction and nonfiction texts. Writing skills are also emphasized through a variety of writing assignments, strengthening students' abilities to write with a purpose.

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M1701		

ADVANCED ELA (7) Students will fulfill all requirements of ELA (7) but at a more advanced rate. In addition, the Advanced ELA (7) student will be required to do more written work, read more short stories and novels, and participate in more projects. The Advanced ELA (7) student will be challenged to think at higher levels and meet higher expectations.

Course Type	Full Year Course	**Prerequisite**	ADV ELA requirements
Course Number	M1711		

ELA (8) This course is a comprehensive literature and language class for eighth grade students. Language study and reading are taught with an emphasis on improving comprehension and analysis of various fiction and nonfiction texts to prepare students for high school. Writing assignments focus on the development of logical coherent pieces with appropriate support for claims.

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M1801		

ADVANCED ELA 8 Students will fulfill all requirements of ELA (8) but at a more advanced rate. In addition, the Advanced ELA (8) student will be required to do more written work, read more short stories and novels, and participate in more projects. The Advanced ELA (8) student will be challenged to think at higher levels and meet higher expectations.

Course Type	Full Year Course	**Prerequisite**	ADV ELA requirements
Course Number	M1811		

Literacy (7 & 8) This semester course is intended to be taken in addition to a core English course in seventh and eighth grade. Literacy is a course giving students the opportunity to explore various types of literature. Through literature, students learn and apply strategies that help them increase their vocabulary and improve their reading ability. Students then not only explore the characters and choices the characters make but also analyze both in their writing

Course Type	Semester Course	**Prerequisite**	None
Course Number	M1100		

Requirements for Advanced ELA:

Candidates must meet 4 out of the 5 following requirements.

- Score Advanced on state assessment in 2 most recent years available in ELA
- Score Advanced on state assessment in most recent year available in ELA
- Maintained an A or B in previous ELA course for both semesters
- Most recent two STAR reading scores were at or above grade level
- Has consistently met AR goal (at least 3 of 4 quarters) in 2 most recent years

Social Studies

FULL YEAR COURSES
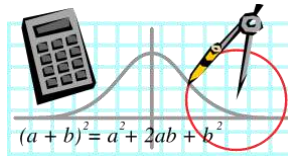
World Cultures and Geography (7)

US History (8)

World Cultures and Geography (7) Students will compare and contrast regions of the world. Students will develop appreciation for diverse cultures and lifestyles of specific regions and how those lifestyles and cultures have changed the world around us. In addition, students will learn to both read and create maps that show their understanding of physical and political features of specific regions. Lastly, students will explore the history and governments of specific regions.

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M2701		

US HISTORY (8) Students will develop questions and identify resources specific to the period of U.S. History spanning from the European colonization of the Americas until the election of President Grant. Students will evaluate and further use a wide range of primary documents to increase understanding and answer questions.

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M2801		

Mathematics

$$(a + b)^2 = a^2 + 2ab + b^2$$

FULL YEAR COURSES
Mathematics (7)
Pre-Algebra (7)
Pre-Algebra (8)
Algebra I (8)

Mathematics (7) This course is a general mathematics course designed to prepare students for pre-algebra. In this course, students extend previous mathematical understandings through application and discovery of new and efficient ways to solve problems. Students learn the following concepts: expressions, equations, inequalities; proportional relationships; areas, volumes, angle measures; and data comparison and analysis.

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M3701		

PRE-ALGEBRA (7) Seventh grade students will be continue to develop number reasoning skills, building into real numbers and exponential expressions. Algebraic concepts will build into using the Pythagorean Theorem, solving linear equations, and graphing functions. Geometry will cover transformations, formulas for space figures and cross sections. Data analysis work includes scatter plots and two-way tables.

Course Type	Full Year Course	**Prerequisite**	Advanced Math requirements
Course Number	M3715		

PRE-ALGEBRA (8) Eighth grade students will be continue to develop number reasoning skills, building into real numbers and exponential expressions. Algebraic concepts will build into using the Pythagorean Theorem, solving linear equations, and graphing functions. Geometry will cover transformations, formulas for space figures and cross sections. Data analysis work includes scatter plots and two-way tables.

Course Type	Full Year Course	**Prerequisite**	none
Course Number	M3815		

ALGEBRA I This course expands on the concepts of number systems. Techniques used for simplifying expressions and solving equations are introduced or discovered throughout the course. All aspects of graphing linear equations and manipulating such graphs are introduced and thoroughly examined. Topics involving quadratic equations will be explored. This course will also introduce functions and examine their role in mathematics. **This course is a high school credit. The grade earned will be on a student's high school transcript and will be calculated as part of a student's high school GPA.**

Course Type	Full Year Course	**Prerequisite**	Advanced Math Requirements
Course Number	M3130	**Credit**	1 HS unit Math

Advanced Mathematics Requirements

Students must meet three of the four following criteria to qualify for advance placement.

Subject	Grade Entering	MAP	Subject Area Grade% (Avg S1/S2)	STAR Spring Administration Subject	Teacher Rec.
M A T H M A T I C S	**7**	**Option 1: Pre-Algebra** (6th grade student currently enrolled in Advance Math 6)			
		A performance level of **Advanced** on the 5th grade MAP **(to place)** A performance level of **Advanced** on the 6th grade MAP **(to confirm placement)**	A cumulative grade of 85% or above in ADV Math 6	85 or above PR in Mathematics	Yes
		Option 2: Pre-Algebra (6th grade student not currently enrolled in Advance Math 6)			
		A performance level of **Advanced** on the 5th grade MAP **(to place)** A performance level of **Advanced/Proficient** on the 6th grade MAP **(to confirm placement)**	A cumulative grade of 90% or above in Math 6	85 or above PR in Mathematics	Yes
	8	**Option 1: Algebra 1** (7th grade student currently enrolled in Pre-Algebra)			
		A performance level of **Advanced** on the 6th grade MAP **(to place)** A performance level of **Advanced** on the 7th grade MAP **(to confirm placement)**	A cumulative grade of 85% or above in Pre-Algebra	85 or above PR in Mathematics	Yes
		Option 2: Algebra 1 (7th grade student not currently enrolled in Pre-Algebra)			
		A performance level of **Advanced** on the 6th grade MAP **(to place)** A performance level of **Advanced/Proficient** on the 7th grade MAP **(to confirm placement)**	A cumulative grade of 90% or above in Math 7	85 or above PR in Mathematics	Yes

Science

FULL YEAR COURSES
Science (7)
Science (8)

Science (7) The seventh grade science curriculum uses an integrated approach to general science that focuses on Physical Science, Earth Science and Astronomy. This course is aligned with the Missouri Science Learning Standards and will incorporate scientific inquiry and engineering practices that will provide a strong science foundation for upper level science classes.

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M4701		

Science (8) In eighth grade science, students will study an array of unified science subjects, including chemistry, geology, biology, anatomy, and ecology. Eighth grade science acts as a jumping off point for subjects that will be studied further in depth at the high school level. Eighth grade science aims to set the foundation for a student's future science education.

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M4801		

Health and Physical Education

SEMESTER COURSES
Physical Education (7 & 8)

QUARTER COURSES
Health (7)
Health (8)

Physical Education (7 & 8) This seventh and eighth grade course focuses on developing motor skills, knowledge and competency in sports and physical activities. This will be accomplished through Capture the Flag, Pirate ball, Kickball, Prison ball, Badminton, Floor Hockey, Wiffle Ball, and Physical Fitness. Our goal is that by presenting a variety of games and activities that the student(s) will develop, maintain and/or improve their overall well-being.

Course Type	Semester Course	**Prerequisite**	None
Course Number	M8100		

Health (7) This course will encourage students to recognize the immediate and future impact of their lifestyle choices. The physical, mental, and social aspects of health are emphasized in relation to the importance of maintaining healthy body systems. We will focus on the following topics: Decision making, peer pressure and refusal skills, managing stress, bullying and harassment, preventing and coping with abuse, suicide prevention, alcohol, nicotine products, and other drugs

Course Type	Quarter Course	**Prerequisite**	None
Course Number	M8700		

Health (8) This course will encourage students to recognize the immediate and future impact of their lifestyle choices. The physical, mental, and social aspects of health are emphasized in relation to the importance of maintaining healthy body systems. We will focus on the following topics: Skeletal, muscular, nervous, digestive, and excretory systems, eating disorders, endocrine and male/female reproductive systems, fetal development, sexually transmitted infections, dating, limits and abstinence

Course Type	Quarter Course	**Prerequisite**	None
Course Number	M8800		

Electivies

FULL YEAR COURSES
Chorus (7)
Band (7)
Concert Choir (8)
Treble Choir (8)
Tiger Chorus (8)
Band (8)
French 1 (8)
Yearbook (7 & 8)

SEMESTER COURSES
Chorus (7)
Art 1 (7 & 8)
Art 2 (8)
Technology Applications (7 & 8)
Technology Design (7 & 8)
Programming I (8)
Programming II (8)
Family & Consumer Sciences A (7 & 8)
Family & Consumer Sciences B (8)
Library Aid (8)

Quarter Courses
Academic Success (7)
Introduction to Engineering Design (8)

Full Year Elective Courses

Chorus (7) The FMS choir program begins with 7th grade Chorus. This year long course is structured so that students develop their musicianship through singing a wide range of music literature, music theory, performance, and in-depth study. All students, from beginners to experienced singers, will have opportunities to grow and improve in a class designed to create confidence, encourage cooperation and leadership, and develop the self-discipline necessary to succeed. Students who demonstrate high levels of accomplishment will be given the opportunity to participate in a 7th grade Select Choir during the second semester and attend music festivals and extended choral experiences.

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M9670		

Band (7) The Festus Band Program focuses on developing musicianship, good rehearsal habits, and the ability to work as part of a team. This course is designed to help students continue their instrumental musical experience. Students will be challenged to show growth in technique and musicality, requiring practice and perseverance. Students will extend previous instrument technique and ensemble skills with advancing repertoire appropriate to the level of development. Concert performances are included as part of the course.

Course Type	Full Year Course	**Prerequisite**	Previous Band Experience
Course Number	M9675		

Concert Choir (8) Concert Choir is a select performance ensemble. Students must have participated in 7th Grade Chorus and/or auditioned for the director to become a member of this group. Students develop their vocal technique through in-depth study, high-level music literature, and high expectations. Many opportunities for growth include school concerts, exchanges with other successful choirs from the middle school to the collegiate level, music festivals, choral clinics with acclaimed educators and directors, and solo/small ensemble performances. Emphasis will be placed on personal responsibility, cooperation with others, and finding success through intelligent repetition and practice. Performances are an expected component of being a member of this ensemble.

Course Type	Full Year Course	**Prerequisite**	7th Grade Chorus/Teacher Approval
Course Number	M9680		

Treble Choir (8) Treble Choir focuses on developing young, treble-voiced musicians. Music for this group is selected to enhance the student's vocal abilities and emotional development as well as furthering the vocal education begun in 7th Grade Chorus. Members of this ensemble can look forward to continued in-depth study of our music literature as well as opportunities to attend professional vocal performances, music festivals, and other important choral events. Students can be experienced or beginners and performances are offered but not required.

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M9681		

Tiger Chorus (8) Tiger Chorus focuses on developing young, tenor and bass-voiced musicians. Music for this group is selected to enhance the student's vocal growth and emotional maturity as well as furthering the vocal education begun in 7th Grade Chorus. Members of this ensemble can look forward to continued in-depth study of our music literature as well as opportunities to attend professional vocal performances, music festivals, and other important choral events. Students can be experienced or beginners and performances are offered but not required.

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M9682		

Band (8) The Festus Band Program focuses on developing musicianship, good rehearsal habits, and the ability to work as part of a team. This course is designed to help students continue their instrumental musical experience. Students will be challenged to show growth in technique and musicality, requiring practice and perseverance. Students will extend previous instrument technique and ensemble skills with advancing repertoire appropriate to the level of development. Concert performances are included as part of the course.

Course Type	Full Year Course	**Prerequisite**	Previous Band Experience
Course Number	**M9685**		

Yearbook (7 & 8) This course is designed to develop students' skills in yearbook production by providing experiences in selected aspects of yearbook production. Students learn basic principles of yearbook production and develop skills that include writing copy, captions and headlines; digital photography; desktop publishing and using appropriate technology tools for media production. Students interested in this course should be willing to attend after school activities and work sessions outside of the regular school day a few times per year.

Course Type	Full Year Course	**Prerequisite**	Teacher Approval
Course Number	M9001		

FRENCH I (8) This course is for eighth grade students. It is an introduction to basic French reading, writing, speaking and listening comprehension. In addition, students will be introduced to French-speaking cultures around the world. This class is recommended for students who are college-bound or have a special interest in languages. **This course is a high school credit. The grade earned will be on a student's high school transcript and will be calculated as part of a student's high school GPA.**

Course Type	Full Year Course	**Prerequisite**	Teacher Approval
Course Number	M5210	**Credit**	1 HS unit Foreign Language

SEMESTER ELECTIVE COURSES

Chorus (7) This semester course is structured so that students develop their musicianship through singing a wide range of music literature, music theory, performance, and in-depth study. All students, from beginners to experienced singers, will have opportunities to grow and improve in a class designed to create confidence, encourage cooperation and leadership, and develop the self-discipline necessary to succeed.

Course Type	Semester Course	**Prerequisite**	None
Course Number	M9680		

ART 1 (7 & 8) This semester long course is designed to enrich and encourage artistic expression with an emphasis on the Art Elements and Principles of Design, selected artists and movements, art analyzing and the art making process. Students will work in all types of media: paint, drawing, collage, printmaking, sculpture and mixed media (2D and 3D).

Course Type	Semester Course	**Prerequisite**	None
Course Number	M6780		

ART 2 (8) This semester long course is designed to continue enriching and encouraging artistic expression with an emphasis on the Art Elements and Principles of Design, selected artists and movements, art analyzing and the art making process. Students will work in all types of media: paint, drawing, collage, printmaking, sculpture and mixed media (2D and 3D).

Course Type	Semester Course	**Prerequisite**	ART 1
Course Number	M6781		

Technology Applications (7 & 8) This course will allow students to build on prior knowledge of computer operations, productivity tools, and digital citizenship. Students will work to improve keyboarding, online research, and problem solving skills. Students will become familiar with Google applications expected to be used across all content areas. Google Docs and Google Slides will be reviewed with an introductory focus on Google Sheets.

Course Type	Semester Course	**Prerequisite**	None
Course Number	M7710		

Technology Design (7 & 8) This course will allow students to apply more creativity with prior technology knowledge. Students will also continue to practice keyboarding, online research, and problem solving skills. Students will focus on graphic design using Google Drawings, Google Slides, and Canva online design platform. Students will learn to use resources with approved usage rights and how to create their own graphics.

Course Type	Semester Course	**Prerequisite**	None
Course Number	M7715		

Programming I (8) his course follows a curriculum provided through Code.org called Computer Science Discoveries. CS Discoveries is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. This semester-long course completes unit one Problem Solving and Computing, unit two Web Development, and unit three Interactive Animations and Games. Students build websites with HTML and CSS then create images and animations before building games using JavaScript.

Course Type	Semester Course	**Prerequisite**	Technology B
Course Number	M7720		

Programming II (8) This course is a continuation of Programming 1. We follow the second half of the curriculum provided through Code.org called Computer Science Discoveries. In this semester-long course, we will complete unit four The Design Process, unit five Data and Society, and unit six Physical Computing. Unit 4 focuses on user-centered design and app prototyping. Unit 5 teaches different systems used to represent information in a computer, how collections of data are used to solve problems, and how computers help to automate the steps of this process. Unit 6 uses App Lab and Adafruit's Circuit Playground to develop programs that utilize the same hardware inputs and outputs that seen in smart devices.

Course Type	Semester Course	**Prerequisite**	None
Course Number	M7725		

Family & Consumer Sciences A (7 & 8) This course will have students examining aspects of nutrition, health, and wellness to help promote healthy lifestyles as well as cooking independence to get students ready for young adulthood.

Course Type	Semester Course	**Prerequisite**	None
Course Number	M7730		

Family & Consumer Sciences B (8) This course will have students examining aspects of nutrition, health, and wellness to help promote healthy lifestyles as well as cooking independence to get students ready for young adulthood.

Course Type	Semester Course	**Prerequisite**	None
Course Number	M7740		

Library Aide (8) Library Aides keep the library organized and assist students by checking out books, making book recommendations, and helping students locate books. Additionally, Library Aides will learn about different facets of the library like genres and the Dewey Decimal Classification System. Reading and strong organizational skills are required for this class.

Course Type	Semester Course	**Prerequisite**	Teacher Approval
Course Number	M9180		

Quarter Elective Courses

Academic Success (7) Academic Success is a course designed to facilitate students in becoming independent and successful upper level learners. Students will learn and implement skills to organize their communications and assignments by utilizing a variety of Google apps. Students will conduct 'research' into themselves to learn how they best learn and explore ways to implement that knowledge. Additionally, students will have the opportunity to use an online program to practice ELA and Math concepts targeted to their individual skill level.

Course Type	Quarter Course	**Prerequisite**	None
Course Number	M7085		

Introduction to Engineering and Design (8) The major focus of the IED course is to expose **8th grade students** to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based learning. Used in combination with a teaming approach, problem-based learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning.

Course Type	Quarter Course	**Prerequisite**	None
Course Number	M7480		

PAWS

PAWS (7) - Student Enrichment and Intervention Time - Students will utilize this course for academic remediation, tutoring, and assistance. Faculty members will provide student enrichment and interventions during Tiger Time. All building facilities will be used for enrichment purposes. **ALL students will be enrolled in this class.**

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M9700		

PAWS (8) - Student Enrichment and Intervention Time - Students will utilize this course for academic remediation, tutoring, and assistance. Faculty members will provide student enrichment and interventions during Tiger Time. All building facilities will be used for enrichment purposes. **ALL students will be enrolled in this class.**

Course Type	Full Year Course	**Prerequisite**	None
Course Number	M9800		