Learning Gate Community School
6th-8th Grade Curriculum Guide
2018-2019

Mission: To promote academic excellence, community service and environmental responsibility through family and community partnerships

Vision: Tomorrow's leaders engaging in and contributing to an educated, sustainable world

Revised 8/1/20

Sixth Grade Curriculum

Mathematics

Course Name: M/J Grade 6 Mathematics
Course Code: 1205010
Length: Year
Prerequisite: None
Description:
In Grade 6, instructional time should focus on four critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking.

Course Name: M/J Grade 6 Mathematics Advanced
Course Code: 1205020
Length: Year
Prerequisite: Level 4 or higher on the 5th grade FSA or level 3 with an average 5th grade MAP score of 234 or higher.
In this Grade 6 Advanced Mathematics course, instructional time should focus on six critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; (4) developing understanding of statistical thinking; (5) developing understanding of and applying proportional relationships; and (6) developing understanding of operations with rational numbers and working with expressions and linear equations.

Course Name: M/J Intensive Mathematics
Course Code: 1204000
Length: Year

Prerequisite: Score <2 on the 5th Grade FSA Math Assessment or enrollment in the RTI program
Description:
This course is tailored to meet the needs of the individual student to strengthen skills needed to be successful and to advance in math skills

Language Arts

Course Name: M/J Language Arts 1
Course Code: 1001010
Length: Year
Prerequisite: None
Description:
The purpose of this course is to provide grade 6 students, using texts of appropriate complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

Course Name: M/J Intensive Reading
Course Code: 1000010
Length: Year
Prerequisite: Score <2 on the 5th Grade FSA ELA Assessment or enrollment in the RTI program
Description:
The purpose of this course is to provide instruction that enables students to accelerate the development of reading and writing skills and to strengthen those skills so they are able to successfully read and write middle grade level text independently. Instruction emphasizes reading comprehension, writing fluency, and vocabulary study through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. Texts used for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex text. Students enrolled in the course will engage in interactive text-based discussion, question generation, and research opportunities. They will write in response to reading and cite evidence when answering text dependent questions orally and in writing. The course provides extensive opportunities for students to collaborate with their peers. Scaffolding is provided as necessary as students engage in reading and writing increasingly complex text and is removed as the reading and writing abilities of students improve over time.

Social Studies

Course Name: M/J World History
Course Code: 2109010
Length: Year
Prerequisite: None
Description:
The primary content for this course pertains to the world's earliest civilizations to the ancient and classical civilizations of Africa, Asia, and Europe. Students will be exposed to the multiple dynamics of world history including economics, geography, politics, and religion/philosophy. Students will study methods of historical inquiry and primary and secondary historical documents.

Science

Course Name: M/J Comprehensive Science 1
Course Code: 2002040
Length: Year
Prerequisite: None
Description:
Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the middle school level, all students should have multiple opportunities every week to explore science laboratory investigations (labs). School laboratory investigations are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the middle school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data (NRC 2006, p. 77; NSTA, 2007).

PHYSICAL EDUCATION

Course Name: M/J Comprehensive – Grades 6/7 (Physical Education)
Course Code: 1508600
Length: Yearly
Prerequisite: None
Description:
This course is designed for 6th and 7th grade students and intended to be 18 weeks in length. The purpose of this course is to provide a foundation of knowledge, skills, and

values necessary for the development of a physically active lifestyle. The course content provides exposure to a variety of movement opportunities and experiences which includes, but is not limited to: Fitness Activities, Educational Gymnastics and Dance, and Team Sports. The integration of fitness concepts throughout the content is critical to student success in this course and in the development of a healthy and physically active lifestyle.

Seventh Grade Curriculum

Mathematics

Course Name: M/J Grade 7 Mathematics
Course Code: 1205040
Length: Year
Prerequisite: None
Description:
In Grade 7,instructional time should focus on four critical area: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

Course Name: M/J Grade 7 Mathematics Advanced
Course Code: 1205050
Length: Year
Prerequisite: Level 4 or higher on the 6th grade FSA Mathematics Exam
Description:
In this Grade 7 Advanced Mathematics course, instructional time should focus on five critical area: (1) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; (2) drawing inferences about populations based on samples; (3) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (4) grasping the concept of a function and using functions to describe quantitative relationships; and (5) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

Course Name: M/J Intensive Mathematics
Course Code: 1204000
Length: Year
Prerequisite: Score <2 on the 6th Grade FSA Math Assessment and/or enrollment in the RTI program
Description:
This course is tailored to meet the needs of the individual student.

Language Arts

Course Name: M/J Language Arts 2
Course Code: 1001040
Length: Year
Prerequisite: None
Description:
The purpose of this course is to provide grade 7 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

Course Name: M/J Intensive Reading
Course Code: 1000010
Length: Year
Prerequisite: Score <2 on the 6th Grade FSA ELA Assessment and/or enrollment in the RTI program
Description:
This course is tailored to meet the needs of the individual student.

Social Studies

Course Name: M/J Civics
Course Code: 2106010
Length: Year
Prerequisite: None
Description:
The primary content for the course pertains to the principles, functions, and organization of government; the origins of the American political system; the roles, rights, responsibilities of United States citizens; and methods of active participation in our political system. The course is embedded with strong geographic and economic components to support civic education instruction.

Science

Course Name: M/J Comprehensive Science 2
Course Code: 2002070
Length: Year
Prerequisite: None
Description:
Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the middle school level, all students should have multiple opportunities every week to explore science laboratory investigations (labs). School laboratory investigations are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the middle school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data (NRC 2006, p. 77; NSTA, 2007).

Health/PE

Course Name: M/J Comprehensive – Grades 6/7 (Health Optimizing Physical Education)
Course Code: 1508600
Length: Year
Prerequisite: None
Description:
The purpose of this course is to provide a foundation of knowledge, skills, and values necessary for the development of a physically active lifestyle. The course content provides exposure to a variety of movement opportunities and experiences which includes, but is not limited to: Fitness Activities, Educational Gymnastics and Dance, and Team Sports. The integration of fitness concepts throughout the content is critical to student success in this course and in the development of a healthy and physically active lifestyle.

The purpose of this course is to provide students with the opportunity to gain the knowledge and skills necessary to become health literate and practice responsible behaviors to promote healthy lifestyle and healthy living. This comprehensive course focuses on the health issues core to the optimum development of adolescents. The content should include, but is not limited to:

- **Core Concepts** (dimensions of health, environmental health, illnesses and healthy behaviors)
- **Accessing Information** (family and friend influences, disease prevention, reproductive health, medical resources, school and community health)
- **Internal and External Influences** (available resources, seeking help, technology, products and services)
- **Interpersonal Communication** (healthy alternatives, conflict resolution, verbal and non-verbal, active listening and refusal skills)
- **Decision Making** (individual and group decisions, and positive/negative healthy options)
- **Goal Setting** (short and long term health strategies, personal health and small groups)
- **Self Management** (personal health practices and internet safety)
- **Advocacy** (positive promotion and accurate information sharing)

Elective (Provided by FLVS)

Course Name: Student Choice
Course Code: Based on Student Choice
Length: Based on Student Choice
Prerequisite: >1 on 7th Grade ELA and Math FSA and exclusion from the RTI Program
Description: Student will choose from a multitude of FLVS courses that are led by certified teachers employed by Florida Virtual School. Grades are completed by FLVS and do not show up on Learning Gate report card but will show up on official transcript. High school courses do count toward high school G.P.A.

Eighth Grade Curriculum

Mathematics

Course Name: M/J Math Grade 8, Pre-Algebra
Course Code: 1205070
Length: Year
Prerequisite: None
Description: In this mathematics course, instruction will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

Course Name: Algebra 1 Honors
Course Code: 1200320
Length: Year
Prerequisite: Average 7th grade Math MAP RIT score of 230 and teacher recommendation.
Description:
The fundamental purpose of this course is to formalize and extend the algebraic thinking and reasoning. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Course Name: M/J Intensive Mathematics
Course Code: 1204000
Length: Year
Prerequisite: Score <2 on the 7th Grade FSA Math Assessment and/or enrollment in the RTI program

Description:
This course is tailored to meet the needs of the individual student.

Language Art

Course Name: M/J Language Arts 3
Course Code: 1001070
Length: Year
Prerequisite: None
Description:
The purpose of this course is to provide grade 8 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

Course Name: M/J Intensive Reading
Course Code: 1000010
Length: Year
Prerequisite: Score <2 on the 7th Grade FSA ELA Assessment and/or enrollment in the RTI program
Description:
This course is tailored to meet the needs of the individual student.

Social Studies

Course Name: M/J United States History
Course Code: 2100010
Length: Year
Prerequisite: None
Description:
Primary content emphasis for this course pertains to the study of American history from the Exploration and Colonization period to the Reconstruction Period following the Civil War. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to explore those fundamental ideas and events which occurred after Reconstruction.

Science

Course Name: M/J Comprehensive Science 3
Course Code: 2102010

Length: Year
Prerequisite: None
Description:
Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the middle school level, all students should have multiple opportunities every week to explore science laboratory investigations (labs). School laboratory investigations are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the middle school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (NRC 2006, p. 77; NSTA, 2007).

Course Name: Physical Science Honors (IPS)

Course Code: 2003320
Length: Year
Prerequisite: Algebra I Honors and a score of >2 on the 7th Grade ELA FSA.
Description:
While the content focus of this course is consistent with the Physical Science course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error;

and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).

Health/PE

Course Name: M/J Comprehensive – Grades 7/8 (Health Optimizing Physical Education)
Course Code: 1700020
Length: Year
Prerequisite: None
Description:
This course is designed for 7th and 8th grade students and is intended to be 18 weeks in length. The purpose of this course is to build on previously acquired knowledge, skills, and values necessary for the implementation and maintenance of a physically active lifestyle. The course content provides exposure to a variety of movement opportunities and experiences which include, but is not limited to: Outdoor Pursuits/Aquatics, Individual/Dual Sports and Alternative/Extreme Sports. The integration of fitness concepts throughout the content is critical to student success in this course and in the development of a healthy and physically active lifestyle.

The purpose of this course is to provide students with the opportunity to gain the knowledge and skills necessary to become health literate and practice responsible behaviors to promote healthy lifestyle and healthy living. This comprehensive course focuses on the health issues core to the optimum development of adolescents. The content should include, but is not limited to:

- **Core Concepts** (dimensions of health, environmental health, illnesses and healthy behaviors)
- **Accessing Information** (family and friend influences, disease prevention, reproductive health, medical resources, school and community health)
- **Internal and External Influences** (available resources, seeking help, technology, products and services)
- **Interpersonal Communication** (healthy alternatives, conflict resolution, verbal and non-verbal, active listening and refusal skills)
- **Decision Making** (individual and group decisions, and positive/negative healthy options)

- **Goal Setting** (short and long term health strategies, personal health and small groups)
- **Self Management** (personal health practices and internet safety)
- **Advocacy** (positive promotion and accurate information sharing)

Elective (Provided by FLVS)

Course Name: Student Choice
Course Code: Based on Student Choice
Length: Based on Student Choice
Prerequisite: >1 on 7th Grade ELA and Math FSA and exclusion from the RTI Program
Description: Student will choose from a multitude of FLVS courses that are led by certified teachers employed by Florida Virtual School. Grades are completed by FLVS and do not show up on Learning Gate report card but will show up on official transcript. High school courses do count toward high school G.P.A.