

**Lakeview**

**Core Classes**

## **English Language Arts**

### **Grade 6: General ELA**

Units include both fiction and informational texts. The use of class novels supplements self-selected novels read throughout the year, including literature circles. The six traits of writing provide the framework for writing instruction. Students are required to demonstrate the ability to compose argumentative, informative, and narrative pieces of writing that addresses a specific topic, purpose, and audience. Students are also required to demonstrate the ability to compose a literary response based on text dependent evidence. The curriculum is aligned to the Common Core Standards.

Students are also given opportunities to develop speaking and listening skills within the units of studies.

### **Enhanced ELA Grade 6**

Enhanced ELA follows the same units of study as the general grade 6 ELA curriculum, but it has more advanced reading and research assignments. The course moves at a faster pace which allows for additional activities. Units are aligned to the grade 6 Common Core State Standards for English Language Arts. Course materials and texts may differ from the general ELA curriculum.

### **Grade 7 ELA**

An integrated reading and writing approach is used to teach reading skills and the writing process. Units include a blend of both fiction and informational text. The use of class novels supplements the numerous self-selected novels read throughout the year, including sessions of literature circles. The six traits of writing provide the framework for writing instruction. Students are required to demonstrate the ability to compose argumentative, informative, and narrative pieces of writing that addresses a specific topic, purpose, and audience. Students are also required to demonstrate the ability to compose a literary response based on text dependent evidence. The curriculum is aligned to the Common Core Standards.

Students are also given opportunities to develop speaking and listening skills within the units of studies.

### **Enhanced ELA Grade 7**

Enhanced ELA follows the same units of study as the general grade 7 ELA curriculum, but it has more advanced reading and research assignments. The course moves at a faster pace which allows for additional activities. Units are aligned to the grade 7 Common Core State Standards for English Language Arts. Course materials and texts may differ from the general ELA curriculum.

An integrated reading and writing approach is used to teach reading skills and the writing process. Units include a blend of both fiction and informational text. Students are required to demonstrate the ability to compose argumentative, informative, and narrative pieces of writing that addresses a specific topic, purpose, and audience. Students are also required to demonstrate the ability to compose a literary response based on text dependent evidence. The curriculum is aligned to the Common Core Standards.

Students are also given opportunities to develop speaking and listening skills within the units of studies.

### **Enhanced ELA Grade 8**

Enhanced ELA follows the same units of study as the general grade 8 ELA curriculum, but it has more advanced reading and research assignments. The course moves at a faster pace which allows for additional activities. Units are aligned to the grade 8 Common Core State Standards for English Language Arts. Course materials and texts may differ from the general ELA curriculum

## **Math**

All mathematical courses are aligned to the [Common Core State Standards and Mathematical Practices](#)

**Advanced Courses** → Advanced classes cover content 1 year ahead. For example, advanced 6th grade covers 7th grade content. In this course, the teacher serves as the facilitator, and the class is more student driven. There is more application of concepts and a faster progression through the curriculum. In this course students will be expected to:

- Seek true mathematical understanding not just a grade
- Make connections quickly and independently
- Take greater responsibility for ownership in the learning process.

### **Grade 6 - Courses**

#### **Course 1**

Course 1 is the on grade level 6th grade mathematics course that is aligned to Common Core State Standards and Mathematical Practices. There is a strong emphasis on expressions, integers and rational numbers, and ratio/ proportion. We will also cover solving equations, and multiplying and dividing fractions. Students will have a variety of learning experiences including partner or small group work, station activities, working with manipulatives, and creating their own problems.

#### **Course 2 (advanced)**

Course 2 is the advanced level, 6th math class (7th grade content), that is aligned to the Common Core State Standards and Mathematical Practices.

Student will:

- Recognize and represent proportional relationships between quantities
- Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers
- Represent addition and subtraction on a horizontal or vertical number line diagram.
- Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.
- Use variables to represent quantities in a real-world or mathematical problem
- Construct simple equations and inequalities to solve problems by reasoning about the quantities.

Students will have a variety of learning experiences including partner or small group collaborations, station activities, working with manipulatives, and constructing viable arguments and critiquing the reasoning of others.

### **Course 3 (double advanced)**

Course 3 is the double advanced level 6th grade mathematics course (8th grade content) that is aligned to Common Core State Standards and Mathematical Practices. There is a strong emphasis on solving linear equations in one variable, analyzing and solving pairs of simultaneous linear equations, and applying the properties of rotations, reflections, and translations. Students will have a variety of learning experiences including partner or small group collaborations, station activities, working with manipulatives, and constructing viable arguments and critiquing the reasoning of others.

## **Grade 7 - Courses**

### **Course 2**

Course 2 is the on grade level 7th grade math class that is aligned to the Common Core State Standards and Mathematical Practices. There is a strong emphasis on students' ability to recognize and represent proportional relationships between quantities. Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram. Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers. And use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities. Students will have a variety of learning experiences including partner or small group collaborations, station activities, working with manipulatives, and constructing viable arguments and critiquing the reasoning of others.

### **Course 3 (advanced)**

Course 3 is the advanced level 7th grade mathematics course (8th grade content) that is aligned to Common Core State Standards and Mathematical Practices. There is a strong emphasis on solving linear equations in one variable, analyzing and solving pairs of simultaneous linear equations, and applying the properties of rotations, reflections, and translations. Students will have a variety of learning experiences including partner or small group collaborations, station activities, working with manipulatives, and constructing viable arguments and critiquing the reasoning of others.

### **Integrated Math I (double advanced)**

This course is a college-track freshman math course; it is the prerequisite class for the rest of the high school curriculum sequence. This course is structured around the Common Core Standards for Mathematics using the Integrated Model. Within this course, students will extend their work from middle school in the areas of number & quantity, algebra, functions, geometry, and statistics. After successful completion of this course, students will proceed to Math 2 in 8th grade.

## **Grade 8 - Courses**

### **Course 3**

Course 3 is the advanced level 7th grade mathematics course (8th grade content) that is aligned to Common Core State Standards and Mathematical Practices. There is a strong emphasis on solving linear equations in one variable, analyzing and solving pairs of simultaneous linear equations, and applying the properties of rotations, reflections, and translations. Students will have a variety of learning experiences including partner or small group collaborations, station activities, working with manipulatives, and constructing viable arguments and critiquing the reasoning of others.

### **Integrated Math I (advanced)**

This course is a college-track freshman math course; it is the prerequisite class for the rest of the high school curriculum sequence. This course is structured around the Common Core Standards for Mathematics using the Integrated Model. Within this course, students will extend their work from middle school in the areas of number & quantity, algebra, functions, geometry, and statistics. After successful completion of this course, students will proceed to Math 2 or Math 2 Honors as freshman at Downers Grove South.

### **Integrated Math II (double advanced)**

This course is a college-track sophomore math course. This course is structured around the Common Core Standards for Mathematics using the Integrated Model. Within this course, students will extend their work from Integrated Math I in the areas of real and complex numbers, quadratic expressions and functions, probability, and volume of solid figures. After successful completion of this course, students will proceed to Math 3 or Math 3 Honors as freshmen at Downers Grove South.

## **Science**

### **6th Grade Science**

Students will begin the year with a hands-on, scientific processes unit to learn first-hand how to “engage” in the science practices laid out by the Next Generation Science Standards. Throughout the year, students will be guided through exploratory-based units as they create their own unique projects and experiences that align to the middle school Earth and Space Science standards. Differentiated activities, project options, and supplemental materials will be used to reinforce classroom concepts to help students apply what they learn to real world situations. Group work is an emphasis in this course as the Social Emotional Standards will be regularly incorporated into daily classroom activities.

### **6th Grade Enhanced Science**

The 6th Grade Enhanced Science course follows same units of study as grade level course. Units are aligned with grade level Next Generation Science Standards. Students may experience material at a faster pace, higher level of questioning and depth of knowledge, and more extensive vocabulary. Activities and materials differ based on students’ prior understanding of content.

### **7th Grade Science**

Students begin the year with an overview and application of the Scientific Method. Students will then be welcomed into the lab with lab safety and microscope units. The fun begins as we explore the world of living things starting with organisms that are microscopic. Cellular life is an essential theme throughout this year. Students will then continue into “The Day in the Life of Cell” unit where the students will explore what a cell and the team of organelles does on a day to day basis. In the DNA and Genetics Unit, students will develop an understanding for the unique and elaborate twisted ladder that is DNA and how genes are passed onto offspring from parents. Seventh graders will then partake in understanding the importance of public health. Students will use their new found knowledge in the Natural Selection and Evolution Unit and see the change over time that currently and continues to occur. The year will commence with an exciting Frog Dissection.

### **7th Grade Enhanced Science**

Enhanced course follows same units of study as grade level course. Units are aligned with grade level Next Generation Science Standards. Students may experience material at a faster pace, higher level of questioning and depth of knowledge, and more extensive vocabulary. Activities and materials differ based on students’ prior understanding of content.

### **8th Grade Science**

Students begin the year by reviewing the scientific method through an individual investigation that explores multiple intelligences. This helps students become more self aware of their learning styles and what types of activities they need as a learner throughout the school year. Then, we move into

physical science, where students will learn about and explore different phenomena of matter. The beginning units are focused on physics concepts and include topics such as motion, forces, Newton's laws, gravity and more. Next, we explore chemistry, with a focus on matter interaction, the periodic table and chemical bonding. There are many projects, activities, simulations and labs throughout the year for students to demonstrate their understanding of these concepts. Students will be given the option to participate in the Science Fair. Students will plan and investigate scientific phenomena of their choice throughout the school year and present their work at the Spartan Showcase in March.

### **8th Grade Enhanced Science**

Enhanced course follows same units of study as grade level course. Units are aligned with grade level Next Generation Science Standards. Students may experience material at a faster pace, higher level of questioning and depth of knowledge, and more extensive vocabulary. Activities and materials differ based on students' prior understanding of content. Students in the enhanced course will participate in the IJAS (Illinois Junior Academy of Science) Science Fair. Students will plan and investigate scientific phenomena of their choice throughout the school year and present their work at the Spartan Showcase in March. Projects will be scored and students with Superior ratings will earn a reward!

## **Social Studies**

### **6th Grade Social Studies**

Students begin with a general overview of the themes of geography and move into studies of ancient civilizations, world religions, culture, and financial literacy. Current events is a common theme throughout the course of the year as well. Units are aligned with Illinois History and Social Science Standards as well as some Common Core State Standards.

### **6th Grade Enhanced Social Studies**

Enhanced Social Studies follows same units of study as the grade level course. The Enhanced class incorporates higher level questioning and depth of knowledge, and vocabulary may be more extensive. Activities and materials differ based on students' prior understanding of content. Readings may be more rigorous, frequent and at greater length than in the general class. Expectations of writing and research rigor are higher than the general class.

### **7th Grade Social Studies**

Students study the US Constitution and roots of American government. They also study Chicago and Illinois history through their participation in the National History Day program. Finally, students study American History from Expansion Era through the Gilded Age. Units are aligned with Illinois History and Social Science Standards as well as some Common Core State Standards.

### **7th Grade Enhanced Social Studies**

Enhanced course follows same units of study as the grade level course. The Enhanced class incorporates higher level questioning and Depth of Knowledge, and vocabulary may be more extensive. Activities and materials differ based on students' prior understanding of content. Readings may be more rigorous, frequent and at greater length than in the general class. Expectations of writing and research rigor are higher than the general class.

### **8th Grade Social Studies**

Students study the cultural evolution of society from early human origins to the 21st century in a format that integrates the major social sciences with western civilization and modern American and world history. Units are aligned with Illinois History and Social Science Standards as well as selected Common Core Standards.

### **8th Grade Enhanced Social Studies**

Enhanced course follows same units of study as the grade level course. The Enhanced class incorporates higher level questioning and depth of knowledge, and vocabulary may be more extensive typical for students likely to take Honors and AP social studies and history classes in high school. Activities and materials differ based on students' prior understanding of content. Readings may be more rigorous, frequent and at greater length than in the general class. Expectations of writing and research rigor are higher than the general class.

# **Lakeview**

# **Encore/Elective**

# **Classes**

### **6th and 7th Grade Spanish**

In sixth and seventh grade students will participate in an Exploratory Spanish course during their Encore block of classes once per semester. Students will be introduced to various topics such as giving dates, expressing weather, describing family members, describing themselves, and some culture.

### **8th Grade Spanish**

In eighth grade, recommended students have the opportunity to earn one high school credit for Spanish I at Downers Grove South High School. Recommendations to participate in eighth grade Spanish are determined through reviews of their sixth and seventh grade work, MAP reading scores, daily coursework, and writing in ELA Classes. Students will work to develop and increase fluency through speaking, listening, writing, and reading activities. The eighth grade curriculum is aligned to the Spanish I curriculum at Downers Grove South High School.

### **Encore & Encore +S Courses on Student Schedules**

Students will have one or two periods of Encore or Encore+S Classes on their schedules. Our four Encore areas will be offering mini units that students will sign up for during their Encore periods. Each mini-unit runs for about half of the quarter and students are able to choose from a variety of course offerings that are aligned to priority standards in each encore area. Spanish will be included as a part of the Encore experience for sixth and seventh graders. An example of some of the course offerings for students includes:

| <b><u>Music</u></b> | <b><u>Art</u></b> | <b><u>Stem</u></b>   | <b><u>Consumer Ed.</u></b> |
|---------------------|-------------------|----------------------|----------------------------|
| Drama               | Photography       | Robotics             | Interior Design            |
| Digital Music       | Drawing/Painting  | Intro to Electronics | Advanced Food Prep.        |
| Ukulele             | Sculpture         | 3D Design            | Fashion Design             |
| Piano               | Digital Arts      | Coding               | Machine Sewing             |

### **Concert Band - 6th Grade**

Concert Band is a course designed for 6th grade students with at least one full year experience. The course is designed to continue the development of individual and ensemble skills. Students will further expand their musical knowledge through large and small group instruction. Focus will be placed on scale study, tone development, rhythm proficiency, and technique building. Concert band

students will present their work as an ensemble at least once every quarter and once a year as an individual. This class meets daily during the school day as a large group ensemble. Students will also receive a small group lesson once a week.

### **Symphonic Band - 7th Grade**

Symphonic Band is a course designed for students with advanced skills. This ensemble is primarily made up of 7th grade students but is open to advanced 6th grade students and 8th grade students by recommendation. This course is designed to build on the skills developed in Concert Band leading toward advanced concepts in all areas of instrumental music performance. Symphonic Band students will present their work as an ensemble at least once every quarter and once a year as an individual. Students in Symphonic Band are also a member of the Marching Spartans. This class meets daily during the school day as a large ensemble. Students will also receive a small group lesson once a week.

### **Wind Ensemble - 8th Grade**

Wind Ensemble is a course designed for students with advanced skills. This ensemble is primarily made up of 8th grade students but is open to advanced 7th grade students by recommendation. This course is designed to build on the skills developed in Symphonic Band leading toward more advanced concepts in all areas of instrumental music performance. Wind Ensemble students will present their work as an ensemble at least once every quarter and once a year as an individual. Students in Symphonic Band are also a member of the Marching Spartans. This course will prepare students for a performance experience at the high school level. This class meets daily during the Flex period as a large ensemble. Students will also receive a small group lesson once a week.

### **Physical Education - 6th, 7th, 8th Grade**

Our curriculum at Lakeview stresses fitness and wellness activities as well as individual and team sports, dance and recreational activities. Our goal is for students to participate in daily physical activity and learn the importance of lifelong fitness and a healthy lifestyle. Students will spend one quarter per school year in the Health Education classroom.

#### **Lakeview Jr. High Physical Education Units of Study:**

Fitness (running, agility, jump ropes, step aerobics, circuit training)

Team Sports: Flag football, team handball, volleyball, basketball, softball, soccer

Individual Sports: Bowling, strength training

Racquet Sports: Badminton, table tennis, pickleball

\*Ballroom Dancing - 8th Grade Only

## **Lakeview Jr. High Health Education Units of Study**

### **6<sup>th</sup> grade:**

Safety, personal health, body systems, physical fitness and exercise, empathy and respecting peers

### **7<sup>th</sup> grade:**

Tobacco, alcohol and drugs prevention, conflict resolution and violence prevention, relationship abuse prevention and mental health

### **8<sup>th</sup> grade:**

Death and dying, stress management, reproductive systems, sexuality education, communicable and non-communicable diseases

\*In addition, several guest speakers will visit the health classes including: the Darien-Woodridge Fire Department, NAMI, The Township of Downers Grove Lifeskills program and Teen Decision Sexuality Education in 8th grade.