



COURSE of STUDY GUIDE

GRADE 7

LAKEVIEW MIDDLE SCHOOL

Our mission is to inspire and equip all students to continuously acquire and apply knowledge and skills while pursuing their dreams and enriching the lives of others.

Dear Student and Parent(s)/Guardian(s),

Welcome to Middle School! Lakeview is excited to serve you and your child during these middle school years. In middle school, we strive to help students acquire and apply knowledge and skills through a variety of classes and programs. Many new courses are being offered, so please make sure to look over this booklet.

The scheduling packet includes descriptions of the required and elective classes for each grade. Also included you will find a course selection sheet and a sample scheduling worksheet to help each student understand the bigger picture. Each student will be placed in a Math, Language Arts and Science class as per the rubric results.

We look forward to spending the next year with your child, guiding in the pursuit of his or her dreams. Feel free to contact us if we can be of assistance.

Lakeview Middle School

Principal: Mr. Todd Braddock

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Counselor: Mrs. Emily Day

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LANGUAGE ARTS

Students are placed into the appropriate language arts class based on student data and a rubric.

HONORS LANGUAGE ARTS 7

Length: Full Year

Honors Language Arts 7 is an accelerated class that requires students to think deeply and richly about both fiction and nonfiction. This course will offer a blend of classic and contemporary works from authors of diverse backgrounds. Honors Language Arts 7 will also place a heavy emphasis on a variety of writing skills. Students will experience a course that integrates reading, writing, listening and speaking in a collaborative classroom setting.

Students who are selected to take Honors Language Arts 7 should meet the following criteria:

1. A history of Pass+ scores and/or high growth on ELA ISTEP tests
2. A history of above average grades in ELA
3. A reading level at or above grade level
4. A positive attitude and consistent work ethic

LANGUAGE ARTS 7

Length: Full Year

Language Arts 7 will encourage students to develop reading, writing and speaking skills in the English language. Students will read and analyze novels and write responses to literature. Students will also write genres such as personal narrative, short fiction, letters, and essays including researched essays. The research unit will also include a formal presentation. Grammar will be taught in the context of writing. Students will become better thinkers who write and read with confidence.

READING AND LITERATURE 7

Length: Two 9-Weeks; one each Semester

Students will explore the genres of literature. They will develop reading skills that will enable them to better comprehend and analyze literature. The course will focus on analyzing plot development, characterization, point of view, theme, and vocabulary development based on etymology. Students will be introduced to other key elements of literature, such as irony, foreshadowing, conflict, etc., which will help them become more thorough readers. Students will be engaged in independent and small-group reading of novels. Students will become life-long readers.

MATHEMATICS

Students are placed into the appropriate math class based on student data and a rubric.

ALGEBRA 1

Credit: Eligible to earn two (2) high school credits

Length: Full Year

Students who are selected to take Algebra I in the 7th grade will be required to have completed the following instructional units: integers, equations, inequalities, rational numbers, ratios, percent, proportions, right triangles (Pythagorean Theorem), and introduction to graphing linear equations.

Students who are selected to take *Algebra I* in the 7th grade should complete a pre-algebra course in the 6th grade with an A or B average. Students will be required to pass an algebra readiness assessment.

Students who are selected to take Honors Language Arts 7 should meet the following criteria:

1. A history of Pass+ scores and/or high growth on math ISTEP tests
2. A history of above average grades in math
3. A positive attitude and consistent work ethic

HONORS MATH 7

Length: Full Year

Students who enroll in *Math 7/Pre-Algebra* should have an **A or B average** in 6th grade mathematics. This class covers all of the seventh grade standards, as well as some key eighth grade standards. Students will work faster and go more in depth than in Math 7.

MATH 7

Length: Full Year

Students who do not meet the prerequisites for either Algebra I or Math 7/Pre-Algebra will be enrolled in Math 7. This course is designed for 7th grade students to prepare for Math 8/Intro to Algebra. The content focuses on the 7th grade mathematics state standards. Some of the topics include: number sense, fraction operations, integers, rationals, proportions, percent, coordinate graphing of equations (including slope), probability, statistics, geometry terms, and formulas.

SCIENCE

Students are placed into the appropriate science class based on student data and a rubric.

SCIENCE 7

Length: Full Year

Seventh-grade science is an investigative look at the major science disciplines: biology, physics, and earth science. All science classes have individual student computers. Students will use the scientific method and basic math formulas, along with learning ideas and principles that explain everyday occurrences and phenomena. Many new and traditional activities will be performed by students and teacher to solve problems related to students' lives.

HONORS SCIENCE 7

Length: Full Year

Honors Science 7 will combine the instruction of the science standards for 7th and 8th grade into a single school year. This course addresses the same curricular content as the two-course option of Science 7 and Science 8. It is designed to challenge students to accelerate science acquisition and to be eligible for the advanced science placement in the 8th grade. Students selected for this course need to be self-motivated and responsible.

SOCIAL STUDIES

SOCIAL STUDIES 7

Length: Full Year

Social Studies 7 studies the regions and nations of Africa, Asia, and the Southwest Pacific, including historical, geographical, economic, political, and cultural relationships. This study includes the following regions: Africa, Southwest and Central Asia, South Asia, Southeast Asia, East Asia, and the Southwest Pacific (Australia, New Zealand, and Oceania).

HEALTH & WELLNESS/PHYSICAL EDUCATION

HEALTH & WELLNESS/PHYSICAL EDUCATION 7

Length: Two 9-Weeks (7A/7B)

The *Physical Education 7* classes will work to develop all types of psychomotor skills through many lifetime-recreational activities as well as fitness conditioning activities. Each student will focus on heart rate education through instruction, observation, investigation, and analysis. Students will consistently use heart rate monitors to see the impact exercise has on their wellness and how it can help them achieve wellness goals. A focus will be put on activities that will build skills and elevate heart rates and increase fitness levels.

The *Health & Wellness 7* curriculum will include: wellness, body systems, disease prevention, and drug education.

TOTAL PE/WELLNESS 7

Length: Full Year

In *Total PE/Wellness*, students will explore knowledge and skills relating to positive health practices and the role of activity in one's wellness. This class is designed for students who want to remain physically active, focus on maintaining or increasing their current fitness levels, and expand and develop skills and practices relating to PE/Wellness. Must maintain a C average to remain in the course for the following semester. Prerequisite: S/S+ in Elementary PE.

ELECTIVES

BUSINESS AND INFORMATION TECHNOLOGY

BIT: DIGITAL DESIGN & PUBLICATIONS

Length: 9 Weeks

Expand your skills by using computer programs and online applications for desktop publishing, drawing, photo editing, and creating presentations. Students will explore the principles of design based on image selection, text formatting, page layout, and color selections. Students will create projects based on real world challenges that give them the opportunity to construct, edit, and utilize their own drawings and photos. Students will choose their favorite topics and subjects to showcase for their projects. This is a great opportunity for students to combine creativity and technology to showcase their many talents.

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|------------------------------|------------------------------|
| a. Desktop Publishing | b. Photo Editing |
| i. Publisher | i. Adobe Products |
| ii. PowerPoint | ii. Microsoft Office |
| iii. Prezi | iii. Paint |
| iv. PowToons | iv. SumoPaint |
| v. Other Online applications | v. Other Online applications |

BIT: INTRO TO COMPUTER SCIENCE

Suggested Grade Level: 7/8

Length: 9 Weeks

This course demystifies computer science and shows students it's fun, collaborative, and creative sides. Students will learn about computer science, computational thinking, and programming languages. Students will primarily use online platforms to learn various methods of programming, including how to create their own apps for mobile devices. Students will use coding to play games, as well as create their own games and apps.

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|----------------|-------------------|
| a. Platforms | b. Resources |
| i. Blockly | i. Code.org |
| ii. Tynker | ii. Code Avengers |
| iii. Scratch | iii. Codecademy |
| iv. Lightbot | iv. Khan Academy |
| v. Hopscotch | v. Code Combat |
| vi. RubyOnline | |

BIT: MICROSOFT ACADEMY

Suggested Grade Level: 7/8

Length: 9 Weeks

Experts say less than 10 percent of software capabilities are utilized. Join us as we move deeper through ribbons and submenus of popular software programs. Students will use the Microsoft Office Suite (Word, Excel, PowerPoint and Publisher) to create professional-quality documents, worksheets, presentations, and publications. Students will role play as office assistants for a company of their choice. In this position, they will create logos, letters, news releases, posters, etc. This class will not only give prepare students for academic success for middle school, high school, and college; it will also give them job skills they can utilize in their everyday lives as adults.

- | | |
|---------------|------------------|
| a. Word | d. Access |
| a. Excel | e. Office 365 |
| b. Publisher | f. Collaboration |
| c. PowerPoint | |

PERFORMING ARTS

INSTRUMENTAL MUSIC: STRINGS

Suggested Grade Level: 7/8

Length: Full Year

Middle School String Orchestra is based on the Indiana Academic Standards for Instrumental Music and provides students the opportunity to apply knowledge and skills learned in the elementary music curriculum by beginning or continuing to play an orchestral string instrument. The orchestra classes will provide instruction on the following instruments: violin, viola, cello, and string bass. Ensemble and solo activities are designed for students to develop basic elements of musicianship including note reading skills, bow technique, and intonation. Activities will include improvising, composing, reading, notating, and sight-reading music; listening, analyzing, evaluating, and experiencing historically significant styles of literature. Students will be given opportunities to participate in performances outside of the school day that support and extend the learning in the classroom.

INSTRUMENTAL MUSIC: BEGINNING BAND

Length: Full Year

BRASS / PERCUSSION

Beginning Brass/Percussion is open for any student who would like to join the band and learn to play a brass or percussion instrument. The class will combine with the beginning woodwind class to perform in several concerts throughout the year.

BEGINNING WOODWIND

Beginning Woodwind is open to any student who would like to join the band and learn to play a woodwind instrument. The class will combine with the Brass/Percussion class to perform several concerts throughout the year.

VOCAL MUSIC: CHOIR

Suggested Grade Level 7/8

Length: 1 Semester or Full Year

Chorus is an opportunity for students to learn how to sing correctly. Students will be introduced to the fundamentals of good choral singing. As a participant in the chorus, students will demonstrate their skill development by presenting choral programs throughout the school year. As a participant, you are required to attend all program rehearsals and performances.

VOCAL MUSIC: ADVANCED CHOIR

Suggested Grade Level 7/8

Length: 1 Semester or Full Year

A semester-based audition choir, Advanced Chorus is for those students whose skills go beyond the basics. This course allows for continuity in learning more complex musical concepts, while still focusing on becoming independent musicians through sight reading practice. Higher expectations for ability and technique will be applied, with students in Advanced Chorus performing in not just the Veteran's Day, Holiday, and End of Year concert, but also in ISSMA competition and the elementary school tours. Offering this course on a semester basis allows students to continue choir despite other year-long class commitments, and helps with continuity between middle school and high school should a student wish to participate in high school choir. Students electing to take Advanced Chorus for one semester will still need to commit to all performances across both semesters, and will be provided with rehearsal materials and opportunities outside of class time to rehearse with others. This course can also be taken all year.

EXPLORING MUSIC: MUSIC TECHNOLOGY

Suggested Grade Level 7/8

Length: 9 Weeks

A quarterly class that explores the vast array of professions those with a music technology degree can end up in. From radio advertising to professional consultation, this project-based course offers many creative opportunities, and provides a deep dive into the workings of GarageBand.

VISUAL ARTS

VA: ART IN MOTION

Suggested Grade Level 7/8

Length: 9 weeks

This course is all about you and motion in artwork and how to create it. This course is a mix of 2D and 3D art works in a variety of media. You will learn design methods and mixed media. This course is all about you!

VA: ART BASICS

Suggested Grade Level: 7/8

Length: 9 Weeks

This course will cover the foundation and fundamentals of art and design. You will create 2-dimensional artwork, learn color theory, drawing and painting techniques, how to create the illusion of depth, and negative and positive space.

VA: 2-D ART

Suggested Grade Level: 7/8

Length: 9 Weeks

Through this course you will create projects using a variety of color media and design. Projects will include drawing, design, painting, glue, colored pencil, chalk or oil pastel, printmaking(stamping). We will discuss the elements and principles of design and will cover a variety of 2-dimensional artwork.

VA: 3-D ART

Suggested Grade Level: 7/8

Length: 9 Weeks

This course will cover creating a variety of 3-dimensional artwork. You will learn how to build 3D objects through the sculpture of paper, clay and other 3D materials.

FAMILY AND CONSUMER SCIENCES (FACS)

FACS: SUCCESSFUL LIVING

Suggested Grade Level: 7/8

Length: 9 Weeks

Successful Living class applies math and language arts concepts through hands-on experiences to develop skills needed for life including interpersonal relationship skills including communication and conflict resolution skills, table setting and manners as well as food preparation. Solving problems in kitchen math will help students apply math concepts to measuring and food preparation tasks. Cooking labs included.

FACS: EVERYDAY SKILLS

Suggested Grade Level: 7/8

Length: 9 Weeks

Everyday Skills class applies math and language arts concepts through hands-on experiences to develop skills needed for life including child development, nutrition and wellness and food preparation. Students will learn about the 5 developmental areas of children starting at birth through preschool, child safety and discipline techniques. Students will acquire skills needed for healthy eating habits by using www.ChooseMyPlate.gov and preparing food properly and safely. Cooking labs included.

FACS: STITCH-N-SAVE

Suggested Grade Level: 7 or 8

Length: 9 Weeks

Stitch-n-Save class applies math and language arts concepts through hands-on experiences to develop skills needed for resource management including money management skills stressing the use of credit and debit cards and the importance of saving money. Food preparation is included as a method of saving money. Students will learn about clothing care and laundry basics. Students will practice measuring with rulers, cutting fabric, sewing on buttons, and hand stitching. Machine sewing will be taught if there is time. Some cooking labs included. The electronic (STEM) sewing project will require a \$12 fee.

AGRICULTURAL SCIENCE AND BUSINESS

EXPLORING AGRICULTURAL SCIENCE AND BUSINESS A

Suggested Grade Level: 7/8

Length: 9 Weeks

Exploring Agricultural Science and Business A allows students to explore agriculture science and business. This course allows students to be exposed to how agriculture affects their everyday lives. Students will have the opportunity to discuss various topics in agriculture including Natural Resources, Conservation, Food Science, and Careers. Students will participate in hands-on activities and labs to develop an understanding of the importance of agriculture.

EXPLORING AGRICULTURAL SCIENCE AND BUSINESS B

Suggested Grade Level: 7/8

Length: 9 Weeks

Exploring Agricultural Science and Business B is a nine-week course that allows students to explore Agriculture Science and Business. This course allows students to be exposed to how agriculture affects their everyday life. Students will have the opportunity to discuss various topics in agriculture focusing on the topics of: Animal Science, Horticulture Science, and Landscape Management/Design. Students will participate in hands-on activities, projects, and labs to develop an understanding of the importance of agriculture.

PROJECT LEAD THE WAY

PLTW: DESIGN & MODELING

Suggested Grade Level: 7/8

Length: 9 Weeks

PLTW: Design and Modeling allows students to apply the design process to solve problems and produce 3D printed solutions. They work in teams to design and build various engineering challenges including the popular wooden puzzle cube.. Using Autodesk design software, students create a virtual image of their designs.

PLTW: AUTOMATION & ROBOTICS

Suggested Grade Level: 7/8

Length: 9 Weeks

PLTW: Automation and Robotics allows students to learn about mechanical systems, energy transfer, machine automation, and computer control systems. Race your Vex dragster, program your robot, and compete in a balloon demo derby-this class is full of robotic action. Students use the VEX Robotics platform to design, build, and program real-world automated objects such as traffic lights and robotic arms.

PLTW: MEDICAL DETECTIVES

Suggested Grade Level: 7/8

Length: 9 Weeks

PLTW: Medical Detectives allows students to play the role of real-life medical detectives as they investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health. They solve medical mysteries through hands-on projects and labs including the brain dissection and a study of how diseases spread.

WORLD LANGUAGES

EXPLORING SPANISH

Suggested Grade Level: 7/8

Length: 9 Weeks

This course will allow students to explore the variety of cultures connected to the Spanish language. Through hands-on activities, students will learn survival language skills and build cultural knowledge.

EXPLORING FRENCH

Suggested Grade Level: 7/8

Length: 9 Weeks

This course will allow students to explore the variety of cultures connected to the French language. Through hands-on activities, students will learn survival language skills and build cultural knowledge.

EXPLORING GERMAN

Suggested Grade Level: 7/8

Length: 9 Weeks

This course will allow students to explore the variety of cultures connected to the German language. Through hands-on activities, students will learn survival language skills and build cultural knowledge.

FOCUS CLASSES

MATH FOCUS

Suggested Grade Level: 7/8

Length: 9 Weeks

This course will develop and solidify basic math skills that will be required in future math courses. The course content is differentiated based on individual student need. Students will be placed into the course based on ISTEP and NWEA data. Students who struggle with math may also elect to take the course.

LANGUAGE ARTS FOCUS

Suggested Grade Level: 7/8

Length: 9 Weeks

This course will develop and solidify basic language arts skills that will be required in future language arts courses. The course content is differentiated based on individual student needs. Students will be placed into the course based on ISTEP and NWEA data. Students who struggle with math may also elect to take the course.

DUAL LANGUAGE IMMERSION CLASSES

SPANISH 3

2124 / W2124Y

Credit: Eligible to earn two (2) high school credits, 1 credit per semester

Passing grade of C- or better to move on to Semester 2

Length: Full Year

Prerequisite: DLI in 6th grade or Test In

Spanish III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of Spanish-speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding Spanish language and culture outside of the classroom.

DLI Culture, History & Media

Suggested Grade Level: 7

Length: 1 Semester

To Be Determined