

Learwood Middle School

7th Grade Course Offerings

7th Grade Mathematics

A spiraling of numbers, number sense and operations; measurement; geometry, spatial sense, patterns, functions, algebra, data analysis and probability occurs in a three tiered ability structure taught through: deductive reasoning, problem solving, and the use of technology.

Advanced Pre Algebra: Same topics as Pre-Algebra with enrichment for each unit with the addition of: Rational Equations, Quadratic Equations, Trigonometry, Compound interest, and other enriching topics.

Pre-Algebra 7: Same topics as Pre-Algebra with Enrichment for each unit with the addition of: Systems of Equations, Multi-step inequalities, Solving for variables in formulas, Direct variation and other enriching topics.

Math 7 : Topics include: Solving Equations, Organizing and displaying data, Evaluating equations, Solving/graphing equations, Area, Perimeter, Volume, Percents, fractions, decimals.

7th Grade World Studies

We will study ancestors to introduce student's heritage to understand the connection of history, geography, and economics from the past with today's world; we will study the impact of ancient Rome; we will investigate the feudal system and cultures during the Middle Ages; the change of Europe during the Renaissance, which stimulated exploration and consolidation of countries; mini unites include the Middle East, India, China, Japan, and ancient American civilizations.

7th Grade Science

The students will gain a thorough understanding of the basic gas laws governing weather, energy and its transfer, and the growth of populations due to genetic and limiting factors. The inquiry-based, laboratory approach to learning, develops a sound understanding of basic science concepts for the learner. Built on science knowledge and understanding, this firm foundation is vital for success when

Language Arts

Students are immersed in fiction through short stories, novels, and a combination of professional and student initiated drama experiences at the year's start. Use of reading strategies to monitor comprehension and decipher vocabulary, as well as narrative, and literature response writing forms are highlighted. Midyear the focus becomes nonfiction research. Students evaluate reliability and validity of sources, identify key aspects of text, improve oral presentation skills, and write both informational and persuasive essays. Students are empowered to be the helmsmen of their own learning ship through experience with self monitoring, goal setting, and success tracking activities. the student studies more advanced science topics in the future.

Enriched Language Arts

This accelerated course is designed to prepare students for 8th grade Enriched Integrated Language Arts and Social Studies. Students will be engaged in a vast array of higher level literature and writing pieces. Communication and research skills are also emphasized for various presentations. Eligibility for the course is determined from standardized test scores.

7th Grade Orchestra

The 7th Grade Orchestra is an academic class that focuses on the continual development of each student's instrumental skill within the ensemble/small group setting.

Emphasis is placed on the basic technical requirements of a student's specific instrument. Students are required to perform in a Winter Concert and Spring Concert. 7th Grade Orchestra students will have the opportunity to participate at the OMEA Solo and Ensemble Contest. Solo and Ensemble participation will be at the discretion of the director. Students are assessed through formal and informal observation and tests. Participation is for one year.

7th Grade Choir

The 7th Grade Choir is an entry-level, academic course which introduces students to the basics of good vocal and choral technique. Students will learn to produce a full, resonant tone while increasing their effective vocal range. An emphasis is placed on good rehearsal technique and assessment is based on effective participation and positive contribution to daily rehearsals. Students who register for 7th Grade Choir make a 1-year commitment and agree to participate for the entire year.

General Music/Music Appreciation

General Music is a music appreciation course designed for students not interested in a performing ensemble. The class will emphasize the skills of active listening and identification of music in the context of its historical time period. Special emphasis will be placed on the cultural and historical context in which specific music was written, as well as musical evaluation and critiquing through the use of free-writing. Participation is for one year.

Technology Education/Industrial Technology

This course allows students to explore basic technological concepts and principals as well as related career fields. Topics include CNC machining, Robotics and Automation, Electronic Communications, Research and Design, Construction, Aerodynamics, CAD, Digital Photography, Graphics and Animation, Digital Sound, Basic Electricity, Web Page Design, Biomedical, and Alternative Energy. Activities are structured to integrate math, science, and language arts as well as teach cooperative learning and hands on problem solving. 7th Grade students are exposed to the technologies and expand upon knowledge from 7th Grade to complete more advanced assignments.

Family and Consumer Science

This is a 9-week introductory course designed for all students 7th graders, concentrating on sewing related skills. This course focuses on measurement, reading and following a pattern, and provides experience in sewing by hand and machine. Other areas discussed include the origins of clothing, how clothing is made and the proper care of clothing. Students are expected to complete 2 projects in class: a button sample and an apron.

Visual Art

All 7th graders complete a nine week course. 7th grade students focus on art production (specifically drawing and printmaking) and verbal criticism of their work and the work of their classmates. Students are also responsible for basic written reflections and evaluation of their own artwork. They are also accountable for basic knowledge, techniques and vocabulary as evidenced in their art work and in their written assessments.

Physical Education

In seventh grade Physical Education class, students will be introduced to individual and team sports with an emphasis on the skills and rules of the game. Daily focus will involve fitness related activities to improve agility, cardiovascular and muscular endurance, flexibility and overall strength.

Computer Technology

This course is designed for students to learn how to use the Internet effectively and safely, how to produce eye-catching documents with work processing techniques, and how to create and captivate an audience with a PowerPoint presentation.

Special Education Supplement

Students will use this class period to increase organization of self and materials, study skills, and problem solving strategies. Planners are checked for homework assignments, pre-teaching or re-teaching of content area objectives may occur, extended time given during this class for test/project completion from general ed. classes and individualized/small group assistance offered on IEP goals.

Special Education Pullout Reading Class

Students will demonstrate an integrated understanding of reading. The following skills are taught to increase comprehension of literature: predict, visualize, connect, question, clarify, and evaluate. Class activities to be utilized include support of the 7th & 8th grade reading/writing strategies from the general education program, OAT skills, Wilson Reading Program (phonic skills), Newspaper analysis and individualized/small group assistance on IEP reading goals.

Life Skills

This class will focus on the various domains of independent living. Students will be engaged in learning about and developing skills needed for functioning in the home, at school, at work and in the community. Students will develop self-determination skills by making choices, setting goals and planning methods to achieve those goals. Students will also learn how to evaluate their achievement and adjust goals, as needed. Seventh and eighth graders are approaching the age when the IEP team will begin to discuss and map out transition plans. They will be more prepared to make decisions about their future and improve their ability to be independent across settings by participating in these authentic life skills activities.

Intervention Language Arts

This class will focus on traditional and functional language arts activities in a small group setting. Individualized intervention strategies will be used to improve reading, writing and oral expression skills. Students will access the State Academic Content Standards through a modified curriculum.

Intervention Mathematics

This class will focus on functional math skills, solving word problems, and the State Academic Content Standards. Students will participate in a modified curriculum in a small group setting.