

# **LIBERTY**

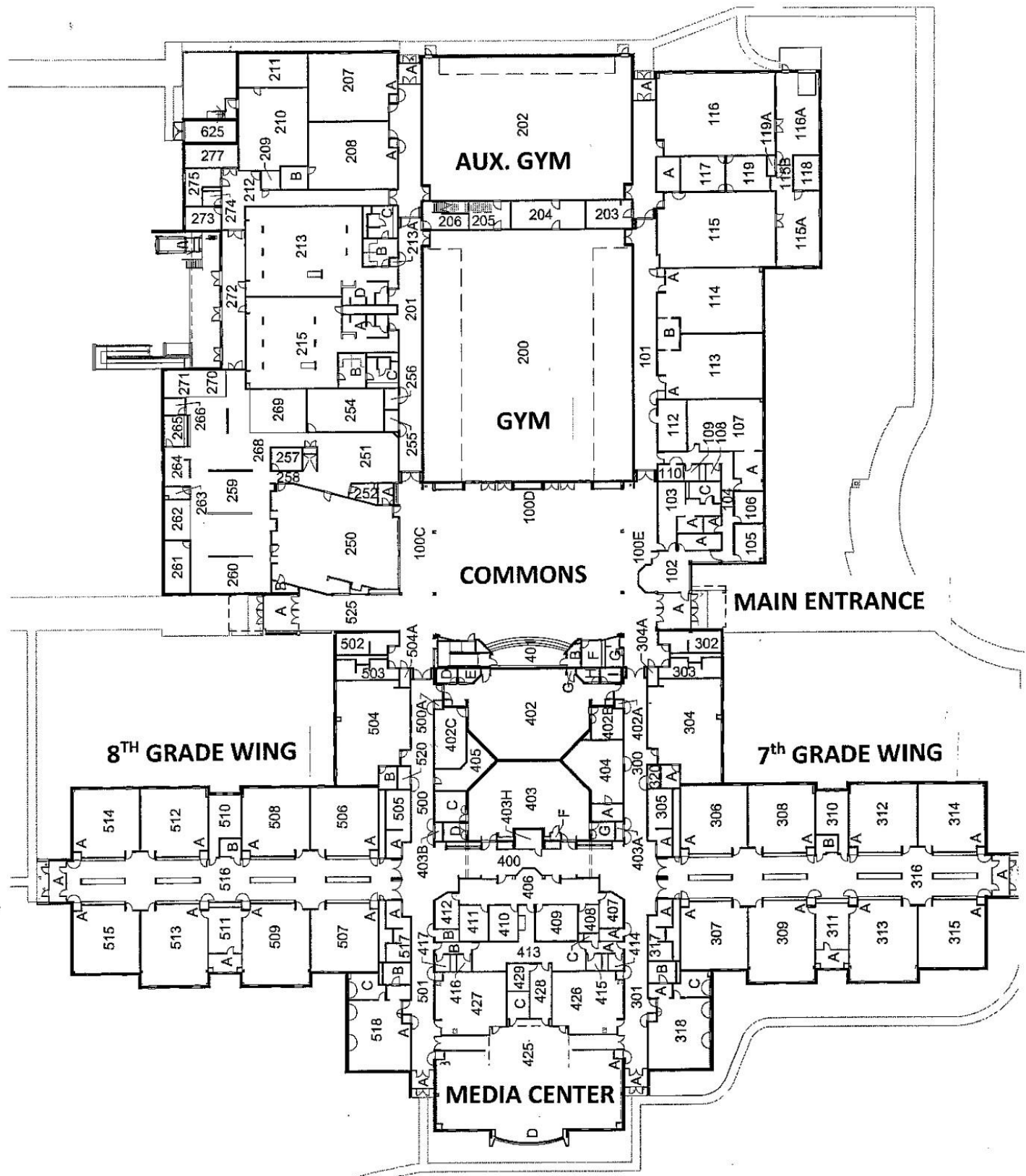
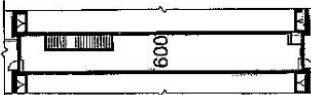
# **Middle School**



**8<sup>TH</sup> Grade**  
**Course Description**  
**Handbook**  
**2021~2022**



PENTHOUSE MEZZANINE



# Liberty Middle School

PAPILLION LA VISTA PUBLIC SCHOOLS

**LIBERTY Middle School**  
**8<sup>TH</sup> GRADE REGISTRATION 2021-2022**

Please Print

NAME: \_\_\_\_\_  
(Last)(First)(MI)

Class  
Periods

1	Math (Year) _____	(Mastery Demonstrated)
2	Science (Year) 3800	
3	Social Studies (Year) 4800	
4	English Language Arts (Year) 1800	
5	Enrichment Block #1 (Year) 5800	PE/ PE / COMPUTER SCIENCE / HEALTH / STEM (each 7 weeks)
6-8	<b>CHOOSE THREE</b>  5830 ENRICHMENT BLOCK #2  6806 ENRICHMENT BLOCK #3  6810 BAND  6811 CHORUS  FL40 SPANISH  7283 STUDY HALL _____	  *See Below  <b>*See Below   **Prerequisite</b>       (Teacher Recommended)

\*Enrichment Block #2: BUSINESS / ROBOTICS / ART / FCS / P.E. (each 7 weeks)  
\*Enrichment Block #3: ART ENRICH 1/ BUSINESS ENRICH/ STEM ENRICH/ ART ENRICH 2 /ROBOTICS ENRICH (each 7 weeks)  
**\*\* Must take Enrichment Block 2 in order to take Enrichment Block 3**

Course Registration Handbook web page <http://www.plcschools.org/Domain/1053>

0924 Moving to \_\_\_\_\_ will not be attending Liberty next year.  
City, State or Country

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Student Signature

## **CORE CURRICULUM (REQUIRED)**

### **MATHEMATICS**

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**Course Title:** Math 8

**Course Number:** MA08

**Duration:** Year

The content of this course includes real numbers, geometric concepts and properties, algebraic concepts, data analysis and proportional reasoning. This course is aligned with NE Grade 8 Math Standards.

**Course Title:** Algebra

**Course Number:** MA05

**Duration:** Year

This course is designed to include an in-depth study of the concepts addressed in Math 8, plus Algebra I, which includes solving linear equations and inequalities, adding and subtracting polynomials, solving systems of equations and inequalities, spatial and logical reasoning and applications of geometric principles, proportional reasoning, direct and indirect variation, real numbers, data analysis and proportional reasoning.

**Course Title:** Geometry

**Course Number:** MA06

**Duration:** Year

Prerequisite: (successful completion of Algebra 1)

This course will focus on the development of reasoning and problem-solving skills, not necessarily mathematical in nature. Topics of study include the topics of geometry; however, geometry places an emphasis on algebra concepts including; writing equations of lines, solving systems of equations, solving advanced linear equations, and coordinate problems. For this reason, a strong background in algebra is highly recommended because connections between algebra and geometry are routinely made in this course.

### **ENGLISH LANGUAGE ARTS 8**

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**Course Title:** ELA 8

**Course Number:** 1800

**Duration:** Year

Eighth grade English Language Arts is a year-long course and a continuation of seventh grade ELA. ELA 8 will engage students to think critically with a balanced literacy approach through developing and strengthening communication skills with the integration of reading, writing, researching, and speaking. There will be a focus on literature analysis and having students apply acquired knowledge through reading into their writing. Students will continue to build comprehension, vocabulary and grammar skills through reading and writing.

## SCIENCE

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**Course Title:** Science 8

**Course Number:** 3800

**Duration:** Year

Science 8 exposes students to the physical and earth strands of science. Students will continue to pose solutions to scientific problems and real-life situations using the scientific method. A variety of interactive learning activities are utilized to introduce students to the basic fundamentals of science.

The students will investigate the following areas of scientific study:

1. Matter
2. Astronomy
3. Physics
4. Weather and Climate

## SOCIAL STUDIES

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**Course Title:** Social Studies 8: Early United States History (1607 – 1890)

**Course Number:** 4800

**Duration:** Year

The course is a chronological survey of American History from the beginning of Jamestown, Va. (1607) through the closing of the Frontier (1890). Events of the present are related to the roots in the past, and whenever possible, an attempt is made to provide the students with the knowledge and understanding that prepares them to make good decisions in an increasingly global world. An appreciation of the diversified peoples whose ideals and efforts contributed to our democratic way of life is also one of the aims of this course.

## ENRICHMENT CLASS OPTIONS

**Course Title:** Spanish

**Course:** FL40

**Duration:** Year

First-year Foreign Language emphasizes oral mastery of the basic skills of the language, including pronunciation and the ability to apply vocabulary and grammar to elementary conversations. Reading and writing skills are introduced as well as aspects of different cultures and histories of the countries where Spanish is spoken. Considerable student involvement is required in classroom activities. **The student should plan to spend time outside of class on homework review and class preparation.**

**Course Title:** Band 8

**Course Number:** 6810

**Duration:** Year

**Prerequisite:** Audition by band director, required major scales, chromatic scale, basic sight-reading skills, and basic knowledge of musical terms. Students with no previous instrumental music training, but desiring to be in

band, are required to take lessons first in order to give them the basic knowledge and skill to be in band. Please contact the band director to schedule lessons or for help in finding a private instructor. During the year, students are scheduled for either lessons or sectionals in conjunction with their band rehearsal. Summer band is offered to all band students during the month of June. More detailed information concerning the instrumental music department can be found in the Liberty Middle School Band Manual. A copy may be obtained from the band director or the Liberty Middle School website.

8<sup>th</sup> Grade Band is for students having the necessary experience and skills to pass basic requirements. The band performs concerts throughout the school year including a Winter Concert, Spring Concert, and the Veterans Day Program. Other groups and activities include: Eagle Jazz Band (audition required), Blair Honor Band (teacher recommendation), NSBA All-State Band (audition required), and the Millard Instrumental Music Festival (solos and small ensembles).

Concert attire: Students must wear **all black** including pants, shirt, shoes, socks, skirt, dress, leggings or tights for under the skirt/dress.

**Course Title: Chorus 8**

**Course Number: 6811**

**Duration: Year**

Chorus 8 is open to all students who enjoy singing. No audition is required. Chorus will strengthen the voice and assist the student in learning to read and follow music for possible participation in the high school choirs.

Vocal music concerts take place in the fall, winter, and spring. Choir students also have an opportunity to be selected for Show Choir participation after a successful audition in the first weeks of school. Students may also audition for the UNO Honor Choir.

Unlike other academic classes, the choral music classes do not require a great amount of daily homework. For this very reason, great importance is placed on attendance, class and concert participation, attitude, attentiveness, adhering to classroom expectations, proper use of social skills, respect towards individuals and self. The singer's participation at all performances is **mandatory** and considered to be a major part of the student's grade.

## **ENRICHMENT BLOCK #1**

**Course Title: Physical Education (P.E.) 8-1, 8-2**

**Course Number: 5800, 5820 Duration: 7 weeks**

The mission of the Papillion-La Vista Public Community Schools Physical Education Department is to provide students with opportunities, in a diverse environment, to gain knowledge, understanding, skills, attitudes, and appreciation in physical activities, which contribute to a healthy lifestyle.

The purpose of our program is to ***prepare*** students with the knowledge and skills to ***pursue an active, healthy lifestyle***. The main consideration of the program is fundamental skill development and the promotion of physical activity and fitness toward a healthy lifestyle. Students will:

- Standard 1: Demonstrate competency in motor skills and movement patterns needed to perform a variety of physical activities.
- Standard 2: Demonstrate and apply concepts and principles of human movement to the development of motor skills and the learning of new skills.
- Standard 3: Participate regularly in physical activity.
- Standard 4: Achieve and maintain a health-enhancing level of physical fitness.

Standard 5: Exhibit responsible personal and social behavior that respects self and others in physical activity settings.

Standard 6: Understand that physical activity provides the opportunity for enjoyment, challenge, self-expression and communication.

**Course Title: Health 8**

**Course Number: 5810**

**Duration: 7 weeks**

Health is required of all eighth graders. Health is intended to help young people develop positive attitudes, values, goals, and behaviors—based on sound knowledge—with the underlying concept of abstinence.

- Communication – listening accurately, mixed messages, I-messages
- Human Growth and Development – male & female anatomy, pregnancy & childbirth
- Nutrition – healthy eating, MYPLATE, food labels, eating disorders
- Infectious/Noninfectious Diseases – STD's, tattoos, body piercing
- Healthy Relationships, Dating – what healthy looks and feels like, dating abuse & date rape
- Sexual Harassment
- Cyberbullying
- Stress Management & reduction – *yoga mat needed if you have one at home*

**Course Title: COMPUTER SCIENCE**

**Course Number: 6834**

**Duration: 7 weeks**

Computer Science for Innovators and Makers teaches students that programming goes beyond the virtual world into the physical world. Students are challenged to creatively use sensors and actuators to develop systems that interact with their environment. Designing algorithms and using computational thinking practices, they code and upload programs to microcontrollers that perform a variety of authentic tasks. The unit broadens students' understanding of computer science concepts through meaningful applications. Teams select and solve a personally relevant problem related to wearable technology, interactive art, or mechanical devices.

**Course Title: STEM 8 (Science, Technology, Engineering and Math)**

**Course Number: 6860**

**Duration: 7 weeks**

**Fee:** There is a **\$10.00** lab fee which will cover the cost of take-home projects and materials.

Students will be introduced to the Engineering Design Process. The Engineering Design Process teaches open-ended problem-solving skills and engineering concepts, which emphasizes learning through trial and error. Students will understand how creative and innovative design has impacted our lives. Students get to research, design, build, and test a variety of projects. To understand and apply the Engineering Design Process, students will be working in partnership on all projects using a variety of resources: Internet, 3D CAD programs, and an array of power and hand tools.

## **ENRICHMENT BLOCK #2**

**Course Title: Introduction to Business 8**

**Course Number: 6845**

**Duration: 7 weeks**

Introduction to Business is a class offered at the middle school level. The intent is to provide the students with an introduction to the business skills needed in the 21<sup>st</sup> Century.

It will introduce students to the world of personal business and prepare them for their economic roles of consumer, worker and citizen. This course will also serve as a background for other business courses they may elect to take in high school and beyond. Introduction to Business will assist the student with consumer decision making, prepare them for future employment and help them develop an awareness of the relationship of their income to skills and education attained as they grow.

**Course Title: Art 8**

**Course Number: 6800**

**Duration: 7 weeks**

**Fee: \$10**

Art 8 is intended for any student who enjoys experimenting with a variety of two and three- dimensional art media. This course will include pottery, sculpture, drawing and painting.

Articles may periodically be used to introduce the student to various art concepts. Quizzes and tests may also be given.

**Course Title: Family & Consumer Science 8**

**Course Number: 6820**

**Duration: 7 weeks**

**Fee: \$10**

Life skills focus: encourages critical thinking and promoting active involvement in experiences to foster independent adult life skills. In FCS 8/Foods, students will learn the basics of kitchen and food safety and are required to pass an assessment to begin cooking labs. Through the labs, curriculum and demonstrations, students will learn appropriate measuring skills, how to read and follow recipes, and recipe changes. Additionally, grocery shopping and economical cooking will be explored.

**Course Title: Robotics 8**

**Course Number: 6882**

**Duration: 7 weeks**

**Fee:** There is a **\$10.00** lab fee which will cover the cost of take-home projects and materials.

From the invention of the wheel to telephones to space travel, humans have continuously created new inventions to solve problems and make life easier. In this course, students will experience hands-on designing, building, and programming various types of robots. Students will be examining the history of robotics then exploring the future of robotics usage throughout the world and universe. Students will learn brainstorming strategies and then put into action principles of Science, Technology, Engineering and Mathematics involving the Engineering Design Process. Students will have the opportunity to advance their STEM/Skilled and Technical Sciences education next year at the high school in the STEM Academy, the Intro to Skilled and Technical Science Trades, or the Robotics 1 course.

**Course Title: Physical Education (P.E.) 8-3**

**Course Number: 5830**

**Duration: 7 weeks**

The mission of the Papillion-La Vista Public Community Schools Physical Education Department is to provide



students with opportunities, in a diverse environment, to gain knowledge, understanding, skills, attitudes, and appreciation in physical activities, which contribute to a healthy lifestyle.

The purpose of our program is to **prepare** students with the knowledge and skills to **pursue an active, healthy lifestyle**. The main consideration of the program is fundamental skill development and the promotion of physical activity and fitness toward a healthy lifestyle. Students will:

- Standard 1: Demonstrate competency in motor skills and movement patterns needed to perform a variety of physical activities.
- Standard 2: Demonstrate and apply concepts and principles of human movement to the development of motor skills and the learning of new skills.
- Standard 3: Participate regularly in physical activity.
- Standard 4: Achieve and maintain a health-enhancing level of physical fitness.
- Standard 5: Exhibit responsible personal and social behavior that respects self and others in physical activity settings.
- Standard 6: Understand that physical activity provides the opportunity for enjoyment, challenge, self-expression and communication.

### **ENRICHMENT BLOCK #3**

**Course Title: Art Enrichment 1 & 2**

**Course Number: 6806 & 6805**

**Duration: 7 weeks**

**FEE: \$10.00**

In addition to what is covered in Art 8, Art Enrichment students will learn about different careers in art. Through volunteer projects, guest artists and guest speakers, students will learn how art can be helpful to others.

**Course Title: Business Enrichment 8**

**Course Number 6835**

**Duration: 7 weeks**

Students will be introduced to Computer Programming and Coding using both online and desktop applications. Applications will feature drag and drop coding blocks to create various projects.

**Course Title: STEM Enrichment 8**

**Course Number: 6865**

**Duration: 7 weeks**

**Fee:** There is a **\$10.00** lab fee which will cover the cost of take-home projects (Clock, Catapult rocket, Marble Mania, etc.).

Students will learn and use the Engineering Design Process incorporating problem-solving skills through hands on project learning. The Engineering Design Process teaches engineering concepts involved with Science, Technology, Engineering, and Mathematics. Students will primarily put emphasis on learning through trial and error, not just a finished project. Experiences and projects will range from communication (3-D CADD), construction/manufacturing (clock, catapult, puzzle, bridges, etc.), transportation (Co2/Mousetrap cars, Rockets, other race vehicles) using a variety of technologies. These projects will be used to understand a

variety of resources/tools; internet, 3-D design programs, band saws, drill presses, foam cutters, soldering irons and a variety of other hand tools.

**Course Title: Robotics Enrichment 8**

**Course Number: 6837**

**Duration: 7 weeks**

**Fee: \$10.00**

From the invention of the wheel to telephones to space travel, humans have continuously created new inventions to solve problems and make life easier. In this course students will experience additional hands-on designing, building, and programming robots. Students will be examining the history of robotics then exploring the future of robotics usage throughout the world and universe. Students will be learning brainstorming strategies and then put into action principles of Science, Technology, Engineering and Mathematics involving the Engineering Design Process. Students will have the opportunity to advance their STEM/Skilled & Technical Sciences education next year at the high school in the STEM Academy, the Intro to Skilled and Technical Science Trades, or the Robotics 1 course.

## **ATHLETICS/EXTRA CURRICULAR CLUBS and ACTIVITIES**

The following activities are available for all 8<sup>th</sup> grade students. Homeroom announcements will always contain any information prior to the start of each activity.

### **ATHLETICS**

The following athletics are available for all 8th graders. Daily announcements, read during Homeroom, inform students on how to sign up to participate in sports. **FEE:** There is an annual **\$50.00** for athletics. (1 payment covers all sports and show choir.)

**Cross Country – 1<sup>st</sup> quarter**  
**Volleyball – 1<sup>st</sup> quarter**  
**Football – 1<sup>st</sup> quarter**  
**Basketball (boys) – 2<sup>nd</sup> quarter**  
**Basketball (girls) – 3<sup>rd</sup> quarter**  
**Wrestling – 3<sup>rd</sup> quarter**  
**Track – 4<sup>th</sup> quarter**

### **CLUBS/ACTIVITIES**

#### **LMS Meeting Schedule for Clubs and Organizations**

##### **ACTIVITY**

##### **SPONSOR**

##### **DAY/TIME/LOCATION**

**Varsity Show Choir**

**Lindsay Wilson**

**Mon/Wed/Fri 7am-8am Rm 403**

**FEE: \$50.00**

Show choir is an extra-curricular auditioned group that combines choral singing and dance. Through costumes, songs and choreography, students will put together a show that they will ultimately compete with. They meet September through April and will put on a concert with the Jazz band in March.

**Art Club****Alex Winters****4<sup>th</sup> Fri. of the month 7:30-8:00 Rm 504**

Art club explores a variety of art styles including clay, paint, screen printing and much more.

**Book Club Lunch Bunch**  
in the library.**Lana Juracek****7<sup>th</sup>: 1<sup>st</sup> Thurs. of mo./8<sup>th</sup>: 2<sup>nd</sup> Thurs. of mo. during lunch****Circle of Friends****Amy Allen****Thurs. 11:30-12:50(grade level lunch period) Rm 518**

The purpose of a Circle of Friends is to provide social skills immersion with peers and promote feelings of belonging in the school community. Circle of Friends meetings occur during lunch time once a week. Participation in Circle of Friends is based on teacher recommendation.

**Computer Science Club****Lindsay Wilson**

Computer science club explores the design thinking process through activities that include coding, programming, creation, and design. No computer experience is required. The club meets weekly, but attendance is not required, so come when you can!

**Drama Club****Aaron Koehn****Thurs 3:15pm-4pm Rm 403**

Drama Club is an extra-curricular activity where students can learn the finer points of putting together a production and practicing their acting skills. Students will learn about roles on stage and off stage and have a chance to create a production.

**Game Club****Courtney Carter & Lindsay Eisenmenger****2<sup>nd</sup>/4<sup>th</sup> Tues. of the mo. 3:15pm-4pm Rm 113**

At Game Club we play board games and card games. Everyone is welcome, and you don't have to sign up ahead of time to attend.

**Intramurals****Sandi Webster****Sept-Mar. days TBA 3:15-4:15 Aux. Gym**

Intramural sports are played during 3 quarters of the school year (1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup>). It is open to every student in the school who does not want to play on an organized school team. 1<sup>st</sup> quarter is soccer, 2<sup>nd</sup> quarter is basketball and 3<sup>rd</sup> quarter is dodgeball.

**Jazz Band****Hiltje Peitz****Tues/Thurs 7:15-8am Rm 402**

Jazz Band is a select group of band students interested in an exciting performance opportunity. It is an auditioned group for any interested guitar, bass guitar and piano players with current private lessons as well as any existing band members from LMS. This group will also perform in a concert with Show Choir.

**LEADERS****Phil Tackett****3<sup>rd</sup> Wed 7:30-8am Rm 407**

LEADERS club (Liberty Eagles Are Dedicated Engaged Respected & Successful) encourages students to get involved in the school community through various activities. It promotes community service projects during the school year. The club aims to increase school spirit and will emphasize leadership, sportsmanship and role modeling good behavior in partnership with the high school leadership clubs.

**LEO Club****Sandi Webster & Deb Young****1<sup>st</sup> Thurs. of mo. 7:30-8am Rm 312**

LEO is a community service club that promotes activities and projects that support the school and community. It also helps students develop leadership, organizational and social skills.

**Math Club****Alex Olson****Tues. 7:20-8am Rm 315**

Math Club is a place where any level of student can come and work on rigorous story problems. Students will work in groups to use strategies to solve problems and compete amongst their own team members. Throughout the year students will have competitions at several high schools. Traveling students are limited to 5, due to cost and number of students allowed at events.

**Meditation Club****Lana Juracek****Mon/Thurs. 7:45-8:00 Rm 304****National Junior Honor Society****Julia Cooley & Traci McShane****2<sup>nd</sup> Fri 7:40-8am Media Ctr**

National Junior Honor Society is a volunteer centered club. Students involved will volunteer and help-out in their schools and communities.

**Robotics Club****Anthony Reisdorff****Wed. 7:30-8:15 Rm 115**

Do you enjoy creating/building things to solve real world problems? Then you will want to consider being a part of Robotics Club. There are two teams at LMS: **FIRST LEGO League (Sept-Feb) and CEENBot Showcase (Nov-Feb)**. Members of the FLL and CEENBot teams will need to complete an application to be a part of the team. Each team has its own application form and occurs at different times throughout the year.

**Running Club****Carlin Olson****Tues. 3:20-4:30 Commons****Science Club****Steve Hurst & John Burbach****1<sup>st</sup> / 3<sup>rd</sup> Fri 7:30-8am Rm 313**

Do you like using science, technology, engineering and math to build things? Would you like to use these skills to solve real world 21<sup>st</sup> century problems? Come join the Liberty Science Club! Some potential challenges include building a solar cooker, a roller coaster, the strongest bridge and launching a pop bottle rocket!

**Student Council****Lindsay Eisenmenger & Melissa Sellon****Tues 7:30-8am Rm 504**

Student Council Members are elected representatives of the student body. Student Council works to support leadership development among its members. We welcome student feedback on issues that arise and work to build school spirit and pride.

**Weightlifting Club****Luke Olson****Tues/Thurs 6:50-7:30am Wt Rm**

In Weights Club you will learn the proper form and techniques for basic lifts. Workouts will focus on improving athletic performance and overall fitness level. Any individual not in a sport at the time of this club will be welcome to participate.

**Yearbook Club****Alex Olson****2<sup>nd</sup> Thurs. of mo. Rm 315**

Students will help create and edit the LMS School Yearbook. Responsibility will include taking pictures for the yearbook, obtaining information and setting up and editing pages in the yearbook.

**\*\*Club and Organization Sign-ups and Meetings will start after Labor Day.**

**Activities are subject to change based on the number of participants, staff supervision and the needs and interests of the students. Sponsors, locations, and days are subject to change each year.**