7th Grade Worksheet

NORTH MIDDLE SCHOOL – Course Selections for 2023-2024

Student Name / First Name:_____ **Last Name**_____

REQUIRED COURSES

Language Arts, Social Studies, Math, Science,

Physical Education and Health

Students not meeting grade level expectations based on standardized test scores or grades will be placed in an intervention program in lieu of one or more courses.

ELECTIVE COURSES

Please rank your Top 10 elective choices 1 – 10. All students MUST rank 10 elective courses below.
Number 1 is your first choice and 10 would be your last choice. You will have courses that aren't ranked and that's okay.
Band and Orchestra will meet daily and count as two elective credits.

Music Elective Choices:	_____ Band ($25 fee)	_____ Orchestra ($25 fee)
	_____ Choir ($25 fee)	

Foreign Language Elective Choices:	_____ German	_____ Spanish

Art Elective Choices:	_____ Drawing and Painting ($25 fee)	_____ Sculpture ($25 fee)

Business Elective Choices:	_____Computer Applications *(Not offered for 2023-2024)*
	_____ Mobile Apps

PLTW/STEM/Tech Ed Elective Options:	_____ Exploration of Media Creations ($25 fee)
	_____ Energy & Environment/Green Architecture ($25 fee)
	_____ Magic of Electrons/Computer Programming ($25 fee)
	_____ Medical Detectives ($25 fee)

Parent's signature: _____

By signing above, I understand that my child's schedule will be based on class size parameters and course availability. The course ranking above provides North counselors options when scheduling your child's classes.

Course Descriptions

Available to all 7th and 8th Graders, unless designated for a specific grade level

Drawing and Painting - Students will explore 2-dimensional art processes such as drawing, painting, printmaking, and digital design. The students will engage in a choice-based course that introduces the Principles of Design and how to effectively use them to make unique work. This course promotes foundational art skills that prepare students for future art courses at the middle and high school levels.

Sculpture - Students will explore 3-dimensional art processes such as ceramics, cardboard construction, papier-mache, wearable art and installations. The students will engage in a choice-based course that introduces the Principles of Design and how to effectively use them to make unique work. This course promotes foundational art skills that prepare students for future art courses at the middle and high school levels.

Computer Applications *(Not offered for 2023/2024)* – Do you like to code? Do you want to utilize HTML/CSS to build websites? In this course, you will learn how to code in HTML/CSS, use online programs to build websites, edit photos online, and much more! We also use business tools to write to celebrities, create and promote a band and some other great projects. Students will practice collaborative teamwork skills and appropriate class presentation skills. This class is for you with the ever-expanding use of technology at school and on the job!

Exploration of Media Creations – This course will revolve around the use of various types of media in the world of advertising. Students will gain an understanding of how to communicate efficiently and effectively towards a target audience. Throughout the semester students will create multiple commercials using iMovie, Final Cut Pro, Powtoon, & other applications for school and community events. Additionally, students will dive into what digital citizenship means and how it will affect them as they become active in the social media landscape.

Band – Band consists primarily of students who have completed one or more years of musical training on their instrument. Students who begin band (have not played an instrument before) after 6th grade must have great determination and desire to play a band instrument. Private lessons may be necessary to catch up the year if needed. The band meets every other day and each student receives a weekly band lesson either in school or schedules a private lesson outside of the school day. Students have an opportunity to participate in many performances. Some are required and others are optional. We have fun sharing our music with an audience.

Choir - Choir members learn about their own unique instrument - their voice. Vocal training will emphasize musical skill development through learning songs in many different styles, languages, and time periods. Performance opportunities vary from school programs and evening concerts to Solo and Ensemble Festival. The fundamentals of reading music and sight singing will be a part of the overall choir curriculum.

Orchestra - Orchestra consists of students who have completed one or more years of musical training on a string instrument (Violin, Viola, Cello, Bass.) The orchestra meets every other day and each student is expected to receive a weekly lesson either in school or a private lesson outside of the school day. Performances include the annual Winter and Spring concerts, solo and ensemble festival, Stringfest and various other Menomonee Falls community events. Students enrolling in this class must have prior experience and approval of the director.

Ukulele & Songwriting Workshop – *(Canceled for 2023-2024)* ~~*Offered during the 2023-2024 school year.*~~ Students will learn how to play single note melodies and chord progressions on the ukulele. They will be able to play along with simple popular folk songs. They will learn the basics of songwriting, popular song forms and how they are put together. The second half of the class focuses on recording, arranging and composing using Garage Band (a digital audio workstation). They will understand how to use loops and mix tracks to create background music for videos and other applications.

Introduction to Garageband and Digital Music – *Offered in the 2024/2025 school year.* This course will provide an introduction for students interested in digital music production. Students will explore a Digital Audio Workstation (DAW) using a project based curriculum that highlights various techniques needed to create digital music. Students will learn how to edit, arrange, mix, sample and record audio and midi tracks to create their own music.

German 7 - Students are introduced to German language and culture via engaging and fun activities. They learn how to introduce themselves, count, tell time, talk about the calendar, express likes and dislikes, and describe settings and people. Prerequisite for German 8.

Spanish 7 - Students are introduced to the Spanish language through engaging and fun activities. They learn how to introduce themselves, count, tell time, say the date and days of the week, talk about the weather, express likes and dislikes, discuss leisure activities, and talk about school. Meanwhile, students also learn much about the cultures of Spanish speaking peoples. Prerequisite for Spanish 8.

Energy & Environment/Green Architecture – PLTW - This Project Lead the Way class is a combination of two units that introduce students to the impact that energy has on our lives and how we design and build structures to protect ourselves from the environment while conserving it at the same time. First, students will learn about the multitude of alternative energy sources that are being developed in hopes of reducing our thirst for natural resources. Numerous hands-on activities such as building a fuel cell and researching, designing, building and testing windmill turbines help model many energy concepts. Second, students are introduced to architectural plans, construction styles, measuring and architectural sustainability culminating in the building of a balsa wood structure and the development of a floor plan for a house on 3D architectural software.

Magic of Electrons/Computer Programming – PLTW - This Project Lead the Way class is a combination of two units that will prepare students for real-world careers in the future. First, through hands-on projects including making a DC motor, creating an electromagnetic Morse code machine, soldering together a nightlight, and circuit building using Snap Circuit Kits students will explore the science of electricity and the behavior and parts of atoms, circuit design, and sensing devices. Students will acquire the basic knowledge and skills in basic circuitry design and explore the impact of electricity on our lives. Second, the students will be introduced to the basics of computer programming that will set them up for high school computer programming classes by learning a solid foundation of programming skills via Scratch software.

Course Descriptions (continued)

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Mobile Apps - In the first part of the course, students will learn to create entertaining and socially useful apps for phones and tablets that can be shared with friends and family. In addition to learning how to program and become better problem solvers, students will explore the exciting world of computer science from the perspective of mobile computing and its increasingly important effect on society.

The second half of the course will be taught using Code.org curriculum with a focus on data and society. We will explore the importance of data in solving problems and highlight how computers can help in this process. We will learn about different systems used to represent information in a computer and the challenges and trade-offs posed by using them. We will end the semester with a student-driven project to solve a problem. If you are interested in programming or computer science, this is the class for you!

Medical Detectives – In this Project Lead the Way class, students play the role of real-life medical detectives as they solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, learn how the systems of the human body work together to maintain health and research future careers in biomedical sciences. Several dissections including the cow eye, sheep brain and the sheep heart will aid student understanding of our own anatomy. Additionally, students will analyze "crime scenes" using the latest in biomedical sciences (DNA electrophoresis) and forensics (fingerprinting, chromatography, blood splatter, etc.) to determine who committed the crime.