

Junior High Course Description Booklet 2020-2021

A. Required Classes

6th Grade

Math 6
Science 6
English 6
Social Studies/Geography
Math Skills 6
Exploratory

7th Grade

Math 7
Science 7
English 7
History 7
Math Skills 7
Exploratory

8th Grade

Pre-Alg 8
Science 8
English 8
History 8
Math Skills 8
Careers

B. Elective Classes

6th Grade

Band 6
Art
PE
Robotics
Science Exploration
Intro Ag

7th Grade

Band 7/8
Art
PE
Woodworking
Robotics
Intro Ag

8th Grade

Band 7/8
Art
PE
Woodworking
Robotics
Intro Ag

SIXTH GRADE

Science 6 (SCI100)

This course will implement the Mi-STAR program, which is aligned with the Next Generation Science Standards for Science Education. This course will focus on multiple integrated science topics from the middle school NGSS standards. (2019)

History 6 (SSG100)

The sixth-grade social studies curriculum is a geography-based course that introduces students to the physical and human geography of the world. Beginning with a spatial perspective, students explore different ways in which the earth has been represented, how geographers use specific tools and technologies in geographic inquiry and some of the limitations of these tools. They investigate patterns of natural and human characteristics and use case studies to examine how the physical environment has provided both benefits and obstacles to human societies. In doing so, students explore how humans have used, adapted, or modified their environment and the consequences. Through the study of culture, cultural characteristics, and cultural diffusion, students learn how culture both influences and affects people throughout the world in similar yet distinct ways. Students also consider globalization and its impact on economic and political institutions and people worldwide. (2019)

English 6 (ENG100)

Students will use the *Journeys* Common Core Series. Throughout the course of the year, students will learn literary concepts and techniques, reading and thinking, writing, vocabulary, and spelling. (2019)

Math 6 (MTH100)

Students in this class will investigate Pre-Algebra concepts and skills through problem-solving, group discussions, and data analysis. They will relate their ideas through writing, visual representations, and class discussions. The course will focus on the following topics: expressions and number properties, multiplying and dividing fractions/decimals, ratios, rates and data analysis, circles and area, equations, inequalities, and tables, graphs, and functions. (2019)

GRADE SEVEN

Math 7 (MTH105)

This class will focus on the following concepts: Patterns in tables and graphs, number sense and numeration, probability, basic geometric measurements, ratio and proportion, fractions, and integers. This will be accomplished through investigations of real-world problems. *A scientific calculator is recommended.* (2019)

English 7 (ENG105)

Seventh grade Language is focused on writing, reading, and grammar class whose purpose is to advance each student's competence in those areas. The students receive writing instruction and write in a variety of forms. They also receive reading instruction and read printed matter in all its forms. (2019)

Science 7A (SCI105) 7B (SCI106)

This course will implement the Mi-STAR program, which is aligned with the Next Generation Science Standards for Science Education. This course will focus on multiple integrated science topics from the middle school NGSS standards. (2019)

History 7A (SSG105) 7B (SSG106)

This is a course that is aligned with the Common Core State Standards. It is aligned with the Revised NCSS Thematic Strands and continues to focus on ten themes including Culture, Time, Continuity, and Change; People, Places, and Environments; Individual Development and Identity; Individuals, Groups, and Institutions; Power, Authority, and Governance; Production, Distribution, and Consumption; Science, Technology, and Society; Global Connections; and Civic Ideals and Practices. This course entails the study of the first Big Three Eras in World History. This class will look at general social studies as well as the world, its people, environments, physical systems, politics, and religions, and more from 1 million years ago. (2019)

GRADE EIGHT

Pre-Algebra 8 (MTH110)

This class will investigate data analysis, integers, fractions, algebra, linear equations, inequalities, ratio, proportions, percent, area/volume, geometry, measurement, counting, and probability. We will be building the basic skills necessary to be successful in Algebra I. (2019)

English 8 (ENG110)

Eighth grade English will focus on a variety of reading pieces including literature (short stories, novels, drama, and poetry) along with informational selections. There will also be a major focus on grammar and usage, incorporating this into the writing process. Students will continue to receive instruction in the writing process that includes style, content, form, and mechanics in writing both narrative and expository pieces. (2019)

Science 8 (SCI111)

This course will implement the Mi-STAR program, which is aligned with the Next Generation Science Standards for Science Education. This course will focus on multiple integrated science topics from the middle school NGSS standards. (2019)

History 8

This course entails the study of American History from Colonial Unity (1700's) through the Civil war and Reconstruction (1877). Topics may include: Unification of the Colonies, creating a government, cause and effect of the American Revolution and of the Civil War, and the expansion and growth of the United States. (2019)

ELECTIVES

Art (ART300)

The Art Education classes are designed to give students the opportunity to explore and gain knowledge in the world of visual arts. The students are encouraged to develop his/her skills and creativity through a wide variety of techniques, activities, and projects, using fundamental elements and principles of design. To help further develop an appreciation for the arts, students will learn to analyze and evaluate works of art. Classes will be exposed to the historical, social, and cultural aspects of the visual arts. Connections with the arts and the students' daily lives will also be recognized and explored. Competitions, art shows, and exhibits vary depending on the dates of events. (2019)

Band 6 (BND300)

Jr High Band (BND305)

This class is performance-oriented, with required concerts in the winter and spring and participation at mid-winter band festivals. **All performances are mandatory.** The emphasis at this level includes musical literature of appropriate level of difficulty - various signatures, tempos, and styles. (2019)

Physical Education (PEH105)

In this class, we focus on developing the "fitness" level of class participants. We try to stress the importance of the regular physical activity. We stress cardiovascular endurance, flexibility, strength, coordination, and game participation in the following areas: (volleyball, basketball, team handball, speedball, touch/flag football, badminton, and soccer. We hope to involve students in meaningful daily exercise. We use the Fitnessgram testing program to monitor individual fitness levels. (2019)

Introduction to Woodworking

Instruction stresses projects made from wood. Students will learn to read and use a ruler for measuring and planning purposes. Safety is constantly stressed and all students must wear eye protection while in the shop room. Students will learn how to and be allowed to use all hand tools plus the following power tools; cordless drills, drill press, handheld jig saw, palm sander, disk sander, scroll saw, band saw, lathe and drum sander, and planer. *Students are required to pay for their wood projects.* (2019)

Automation and Robotics

Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotics arms. (2019)

Design and Modeling

Students will apply the design process to solve problems and understand the influence of creativity and innovation in their lives. They work in teams to design a playground and furniture, capturing research and ideas in their engineering notebooks. Using Autodesk design software on computers. Students create a virtual image of their design and produce a portfolio to showcase their innovative solutions. Some projects may be selected to be 3D printed on the rapid prototyper. (2019)

Introduction to Agriscience

Prereq: None (Can be taken multiple years, rotating curriculum)

Introduction to Agriscience will provide students with the opportunity to explore the many aspects of agriculture, food, and natural resources. The curriculum for this course will rotate each year with an animal focus one year and a plant and natural resources focus on other years. Projects throughout the semester will focus on all topics. Projects will involve working with live animals and in a variety of settings, including outside and in greenhouses. In all classes, students will participate in FFA-sponsored events related to the material they are learning or the material they are interested in learning and are members of the North Huron FFA Chapter. (2019)

Spanish (FLS100) (FLS105) (FLS110)

Spanish class will focus on developing strategies for studying language and retaining new vocabulary. Students are introduced to proper grammar usage. The class is taught from a combined communicative/grammatical approach so students are speaking and listening to Spanish as much as possible as they learn important grammar skills. The cultures of many Spanish speaking countries will be explored through many forms of media. (2019)

Exploratory

Each student will participate in 4-9 week exploratory courses. Health and Social Psychology. (2019)

VIRTUAL

Virtual course offerings are also available through Edgenuity.