

2024-2025 7th Grade Scheduling

All 7th graders will be scheduled to take:

- Math
- Language Arts
- Social Studies
- Science
- Lunch
- Advisory (lunch study hall)

All 7th graders will be able to **CHOOSE TWO** of the following electives:

- Orchestra
- Band
- Choir
- Physical Education (full year)
- Art (full year)
- Art and PE (semester each)
- Tech Wheel (Computer 7, Discovery, Design and Modeling, and Tech Ed)
- Advanced Automation and Robotics and Advanced Medical Detective (semester each)

Student First Name: _____ Last Name: _____

Please choose only TWO of the following electives:

- ☐ Orchestra
- ☐ Band
- ☐ Choir
- ☐ PE (full year)
- ☐ Art (full year)
- ☐ PE and Art (semester each)
- ☐ Tech Wheel: Computer 7/Discovery/Design and Modeling/Tech Ed
- ☐ Advanced Automation and Robotics and Advanced Medical Detective

North Olmsted 7th Grade Electives Course Catalog 2024-2025

BAND (Full Year) – This class is open to all NOMS students without audition. Students are responsible for providing their own instrument and will need to purchase a book. The class will be divided into intermediate band and advanced band based on playing ability. There will be 2 evening concerts throughout the year and an opportunity to compete at the OMEA contest.

ORCHESTRA (Full Year) - This class is open to all NOMS students without audition. Students are responsible for providing their own instrument and will need to purchase a book. The class will be divided into intermediate orchestra and advanced orchestra based on playing ability. There will be 2 evening concerts throughout the year and an opportunity to compete at the OMEA contest.

CHOIR (Full Year) – This class is open to all NOMS students without audition. The focus of choir is to be a family of singing, exploring many fun styles of music from classical to barbershop harmony and novelty numbers. Members will learn the basics of vocal technique and sight-reading in order to become functional, confident singers. Concert Choir performs at NOMS concerts and will hope to compete at OMEA large group contest.

PHYSICAL EDUCATION (Full Year or Semester) – PE is designed to provide students with the necessary skills to participate in various team and individual sports. Students will learn rules, terminology, skills, and strategies used to actively participate in these sports. A major focus of the class is on personal and lifelong fitness. Students will learn, through multiple activities, how to maintain an active, healthy lifestyle.

ART (Full Year or Semester) – In this course, students will expand their visual arts knowledge and skills through the hands-on exploration of a variety of art materials and techniques. We will create both 2 and 3 dimensional art works and we will learn about artists and their work in order to gain an understanding of the artistic process and learn about art produced at different times and in diverse cultures.

COMPUTERS 7 (1 Quarter) – Students will build upon the 21st-century skills and applications they've learned about in grade 6 to go further in their understanding of technology.

TECHNOLOGY EDUCATION 7 (1 Quarter) – Students will build upon the skills learned in Technology Education 6 as they dig deeper into technology tools and resources for design and creation.

DISCOVERY (1 Quarter) – In this course, students will learn about the design process, explore their interests, and work through various problem-solving opportunities.

DESIGN AND MODELING (1 Quarter) – While working in teams, students apply the design process to solve problems and understand the influence of creativity and innovation in their lives.

ADVANCED AUTOMATION AND ROBOTICS (1 Semester): In this semester course, students will use the VEX Robotics platform to design, build and program real-world objects. They will use knowledge of gear ratios to build the fastest dragster and race their classmates and apply gear mechanisms to build structures such as pull toys, vehicles, and carnival rides. The RobotC computer program will be used by students to write code to program their robots. Throughout the course, students will be challenged to improve their creative and spatial reasoning thinking along with increasing their problem solving skills. **Students that sign up for Advanced Robotics must also sign up for Advanced Medical Detectives.**

ADVANCED MEDICAL DETECTIVES (1 Semester) - In this semester course, students will take an in-depth look at the human body as they play the role of various medical professionals. They will analyze genetic testing results to diagnose disease and study DNA evidence, solve medical mysteries through hands-on projects, dissections, and labs, and investigate how to measure and interpret vital signs. This course will challenge students to think critically, work collaboratively, and apply medical ethics to discover how the various human body systems work together to maintain human health. **Students that sign up for Advanced Medical Detectives must also sign up for Advanced Automation and Robotics.**