

North East School District

6th Grade Program of Studies



Science

The focus of Sixth grade science is to develop enthusiasm by presenting a selection of interesting experiences along with hands-on activities to motivate aspiring young scientists. The course begins with an investigation the planet earth, which leads to the study of weather and water. Other units include planetary science, animals, plants and greenhouse, and chick/duckling embryology.

Mathematics

This course reinforces and drills all the basic mathematical functions of whole numbers, decimals and fractions. Students will continue using measurements in the English system identifying terms and properties of simple geometric figures and interpreting simple statistical data. Ratio, proportion, percent, and integers may be introduced if time permits. Computers and calculators will be used throughout the year.



Integrated Language Arts

A blending of skill development and refinement with ample opportunities and materials to read; Students are asked to read trade books, library books, and newspapers, in addition to stories in the basal. Critical reading and thinking skills are introduced and developed through these various genres. Students are given time to practice these skills through writing and/or practice sheets.

Students review and expand their knowledge of parts of speech, sentence structure, capitalization, and punctuation. This is done through writing activities and/or skill practice sheets. In addition, units on library skills, letter writing, poetry, etc. are incorporated.

To enhance students' writing, emphasis is placed on the five-step writing process as well as the "Power Writing" program. Students are encouraged to review, revise, and edit their own works and those of their peers. Good paragraph structure and topic development are key elements of students' published work. Correct spelling and diverse vocabulary uses are required.

History & Geography

Sixth graders will study the history, geography, culture, and economics of Europe and Asia Hemisphere. These will be a unit dealing with geographical terms and mapping to re-familiarize the student with maps and their uses.

Health

Students will study the care and function of the body's system. They will also learn about the wellness concept and prevention of disease and disorders. They will continue "Here's Looking at You 2000," the district's substance abuse program.

Physical Education



Students will develop and display desirable social behavior in sportsmanship, cooperation, and competition. They will achieve a higher level of physical fitness with an understanding of terminology of physical fitness. They will develop skills in team, dual, and individual sports, along with the rules and game strategies. Children will work independently at various stations. They also will be prepared with their gym clothes and are encouraged to use the showers.

Chorus

The Sixth Grade Chorus is open to any interested students who like to sing and are interested in learning about reading music and singing as part of a large group. We will be learning basic vocal techniques and focusing on posture, breathing, diction, and care of the voice, as well as beginning to learn to read music and sight-sing. Unison and two-part music from various genres and time periods will be studied. Performance requirement: Choral Program Winter and Spring Concerts.



Band

Students will learn to read and identify rhythmic configurations and also be able to read and play melodic lines written in various keys. Exposure to basic meters and tempo is also essential. Literature from all the periods of music, exhibiting different styles of composing, should be included in the band repertoire. Although individual effort is paramount, the goal is the interaction of the students in order to achieve a quality musical organization.

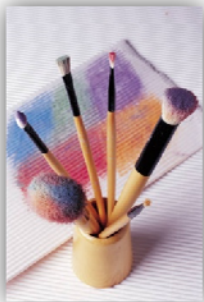
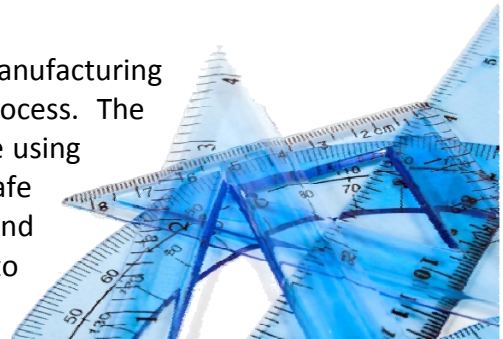


Technology Education

6th Grade - The main focus is on Construction and Communication Technology. Students will design, build, and test an experimental structure. They will also learn mechanical drawing skills and Computer Aided Drafting.

7th Grade - The main focus in 7th Grade is Transportation Technology. Students will design, build and test a CO2 vehicle. They learn about aerodynamics, vehicle design, and the effects of CO2 on the environment. They will also experiment with plastics and create a simple plastic mold.

8th Grade - The main focus in 8th grade is Manufacturing Technology. They will learn about the manufacturing process. The product they manufacture is a mantle clock. They will be using tools and machines to complete the project in a safe manner. They will also learn about simple machines and gears. The year is wrapped up with an introduction to technology past, present and future.



Art

Students will confidently and creatively approach new experiences in various media which will aid them in developing creative ideas, utilizing art room equipment safely, enhancing their art vocabulary, recognizing the Elements and Principles of Art, and understanding the artist's place in history and culture. (For example, students might create a sculpture, a 3D paper construction, a symmetric print, a woven wall hanging, a compass design, or a water color still life to fulfill these requirements.)

Guidance

The guidance counselor will work closely with the administrative and teaching staffs to offer a comprehensive guidance program for the middle-level learner. Individual and group counseling will be utilized as well as classroom guidance on a monthly schedule for each grade level.

The following topics are some of those to be presented to the students throughout the school year:

- ✚ Orientation and Adjustment
- ✚ Self Concept
- ✚ Decision Making
- ✚ School, Community, and Global Awareness
- ✚ Conflict Resolution
- ✚ Careers

