

ASSESSMENT

Teachers use a variety of methods when assessing students. They may include:

- Portfolio Collection
- Observations
- Demonstrations
- Conferences
- Self-evaluations
- Peer evaluations
- Surveys
- Checklists
- Common District Assessment
- PSAT and SAT
- Writing rubric
- State Assessment: M-STEP

PARENT COMMUNICATION

Parents are encouraged to talk with their child's teacher at any time during the school year.

Following is a list of ways that you may communicate with and/or review your child's progress.

- PowerSchool
- Teacher's web site/email/voice mail
- Parent-teacher conferences
- School Messenger
- District Facebook page

Ways You Can Help Your Child At Home

- ✓ Provide a study place
- ✓ Develop a system for organizing and maintaining a notebook
- ✓ Encourage your child to participate in class
- ✓ Talk about how you use math at work and home
- ✓ Involve children in tasks that require computing, measuring, estimating, building, following directions, problem solving and reasoning
- ✓ Make the above resources available to your home
- ✓ Supporting homework

District Mission Statement

In partnership with the community, we seek to instill in students high standards for academic excellence, integrity, leadership and responsible citizenship.



New Lothrop Area Public Schools

Student Learning Targets



High School – Science

Grade Level and Content Area Teachers developed a list of 5-10 Student Learning Targets (SLT'S) for DK-12th grade. This brochure is meant to help students and parents become familiar with each course and the intended outcomes upon completion.

Accordingly, Students will be able to...

Biology

- Show organization of matter and energy flow within living organisms.
- Describe the hierarchical structures and functions of multicellular organisms
- Model the interrelationship between organisms and Cycles within ecosystems.
- Describe how heredity and variation are products of cellular molecules.
- Create and revise solutions to mitigate the impact of human activity on ecological systems.
- Trace driving forces of evolutionary changes to specific environmental factors.
- Apply concepts statistically, graphically and through modeling to draw conclusions.

Botany

- Apply knowledge of plant classification, plant anatomy and plant physiology to the production and management of plants.
- Prepare and implement a plant management plan that addresses the influence of environmental factors, nutrients and soil on plant growth.
- Propagate, culture and harvest plants.
- Design and conduct an experiment using the scientific method.
- Explore available careers in the Plant and Soil Science fields.

Zoology

- Examine the components, historical development, global implications and future trends of the animal systems industry

- Classify, evaluate, select and manage animals based on anatomical and physiological characteristics and genetics.
- Provide for the proper health care of animals.
- Apply principles of animal nutrition to ensure the proper growth, development, reproduction and economic production of animals.
- Design and conduct an experiment using the scientific method.
- Explore available careers in the Animal Science field

Chemistry (CP and General)

- Carry out laboratory investigations incorporating concepts learned.
- Apply the concepts learned to real life situations.
- Differentiate the various classifications of matter.
- Understand the present day model of the atom.
- Explain electron structures and how it relates to chemical bonding.
- Identify patterns of properties of elements based on the periodic table.
- Balance chemical equations and solve for weights and volumes.
- Distinguish molecular arrangements of the three states of matter.
- Use the gas laws to explain changes based on conditions.

Physics

- Carry out laboratory investigations incorporating concepts learned.
- Apply the concepts learned to real life situations.
- Use mathematical relationships involving distance, velocity, and acceleration.
- Solve problems involving vector quantities.
- Apply Newtons' Laws of Motion.
- Distinguish different types of motion.
- Explain work, power, and energy.
- Work with the Laws of Thermodynamics.
- Distinguish various types of nuclear reactions.
- Evaluate properties of sound and light waves.

Anatomy

- Analyze the structure and function from molecular to organism level using correct terminology as it applies to regions, directions and cavities.
- Investigate human cytology and tissue in regards to structure and function.

- Explain the structure and function of the integumentary system including disease and disorders associated.
- Describe the mechanisms that allow the skeletal system to function, identify the bones and apply knowledge to explain disease and disorders.
- Describe the mechanisms that allow the muscular system to function, identify the muscles and apply knowledge to explain disease and disorders.
- Describe the mechanisms that allow the nervous system to function and apply knowledge to explain Disease and disorders.
- Describe the mechanisms that allow the endocrine system to function, identify the glands/hormones and apply knowledge to explain disease and disorders.
- Describe the mechanisms that allow the circulatory system to function, identify the arteries/veins and apply knowledge to explain disease and disorders.
- Describe the mechanisms that allow the digestive system to function and apply knowledge to explain disease and disorders.
- Describe the mechanisms that allow the reproductive system to function and apply knowledge to explain disease and disorders.

Natural Resources

- Explain interrelationships between natural resources and humans necessary to conduct management activities in natural environments.
- Apply knowledge of natural resource components to the management of natural resource systems.
- Differentiate between renewable and nonrenewable natural resources.
- Describe the effects of diseases and invasive species on ecosystems.
- Explore available careers in the Natural Resources field

Ag Business

- Describe AFNR businesses and identify global opportunities in agribusiness.
- Define the types of ownership in an AFNR business.
- Utilize data to effectively manage an AFNR business (e.g. budget, cash flow, income and expense record, and balance sheets).
- Develop and share with the class a business plan created by the student.
- Explore available careers in the Agriculture Business industry.