

Science:

Earth in Space and Time

What are the characteristics of objects in the sky?

- sun and moon

What are the patterns of objects in the sky?

- orbit & spin of the earth
- motion of moon around the Earth
- phases of the moon
- day/night and seasons

Earth Systems

What are natural resources?

- identify & classify as renewable or non-renewable

How do we extend the use of natural resources?

- reduce, reuse, recycle

How do humans impact the environment?

- dependence on natural resources
- constructing environments
- helping or harming the environment

Organization of Living Things

What are the basic needs of animals and plants?

- plants require air, water, light, and food
- animals require air, water, and food

How does the structure of an organism help it grow, survive, and reproduce?

- function of plant parts (flower, stem, root, leaf)
- structures of animals (i.e. fur, wings, teeth, claws)

How are organisms classified?

- observable characteristics of plants (roots, leaves, stems, flowers)
- observable characteristics of animals (backbone, skin, shell, limbs, scales)

Evolution

How have organisms adapted to their environment?

- parts in plants that allow them to live (leaf shape, thorns, odor, color)
- parts of animals that allow them to live (teeth, claws, color, body covers)

What characteristics of organisms of the same kind help them survive?

- identify individual differences (color, leg length, size, wing size)
- how variations give an advantage for survival

Ecosystems

How do organisms interact with each other?

- food chains & food webs

How can environmental changes affect the food web?

Force and Motion

What is gravity?

- identify gravity as a force

How does force change the motion of an object?

- push and pull
- relate change in motion to the force
- relate change in motion to the strength of force and mass of object
- lack of movement to a force is due to another force

What is speed?

- compare motion of objects
- identify changes in motion (faster or slower)
- calculate speed

Third graders at Westwood begin to become independent learners who are expected to be responsible for their attitudes, behaviors, work, and learning. They are tested for the first time on the Michigan Educational Assessment Program (MEAP). With teacher guidance, they become responsible for their class work and assignments at home.

Students learn best if they are able to also experience the world around them. To that end, we participate in field trips whenever possible and encourage participation in the community.

Third graders participate in art, music, physical education, library, and receive instruction in and using technology.

Portland Public Schools

By the end of
THIRD GRADE
Portland
students will
learn...



Portland Public Schools

Westwood Elementary

883 Cross St.
Portland, MI 48875
(517) 647-2989

English/Language Arts:

Reading

Word Study

- Recognize and know meanings of third grade level words
- Use reading strategies and resources to read unknown words
- Read grade level text fluently

Analyzing Text

- Describe story elements in fictional text
- Describe elements, features, and purpose of informational text

Comprehension

- Connect personal knowledge to texts
- Identify main ideas
- Retell story elements in sequence
- Retell relevant details in informational text
- Apply comprehension reading strategies
- Self-monitor comprehension when reading or listening
- Compare and contrast relationships within and across texts

Writing

Writing Genre

- Write cohesive narrative pieces
- Write informational pieces

Writing Process

- Use the writing process to improve their own writing
- Revise and edit, individually and in groups
- Exhibit personal writing style and voice

Grammar and Spelling

- Write correct sentences
- Display correct use of grammar
- Correctly spell grade level words and use strategies to spell unknown words

Handwriting

- Fluently and legibly write in cursive

Speaking and Listening

- Listen attentively
- Speak effectively and appropriately
- Respond by reflecting and making connections

Math:

Number and Operations

- Understand and use number notation and place value to 10,000
- Skip count by 6, 7, 8 and 9
- Know and use even and odd numbers
- Add and subtract whole numbers with and without regrouping
- Estimate the sum and difference of two numbers
- Understand multiplication and division of whole numbers up to 10 X 10
- Solve problems with whole numbers using objects, words and equations
- Understand simple fractions
- Begin to add and subtract fractions
- Relate decimal fractions to fractional parts of a dollar (1/2 dollar = \$0.50)

Measurement

- Measure, use, and compare units for length, weight, temperature, and time
- Understand, estimate, and use area and perimeter of rectangles
- Solve measurement problems using: length, weight, time, money, perimeter, and area

Geometry

- Recognize basic elements of geometric objects: points, line segments, lines, parallel and perpendicular lines, and parallel faces
- Classify and compare 2-D shapes: parallelogram, trapezoid, circle, rectangle, square, and rhombus
- Classify, compare and build 3-D solids: cube, rectangular prism, sphere, cone, triangular prism, pyramid, cylinder

Date and probability

- Read, interpret, and compare bar graphs (horizontal and vertical)
- Identify the extremes and range of values on a bar graph

Social Studies:

Economics

- What are the basic ideas of economics?*
- How have Michigan's resources influenced our economy?*
- How does Michigan's economy depend on the nation and world?*

Geography

- How do we describe the space around us?*
- What regions describe Michigan?*
- How have our activities changed Michigan?*
 - American Indian culture today
 - location and type of economic activity
 - groups that came & why they came
 - movement of people and goods, in and out
- How have we used Michigan's environment?*
 - location & use of natural resources

History of Michigan to 1900

- What happened in Michigan's past? When did it happen? Who was involved? How and why did it happen?*
 - American Indians, Fur Trade, Early Settlers (Agriculture/farm land/Erie Canal), Statehood, Lumberjacks, Mining (Copper & Iron), Agriculture, Underground Railroad

Public Discourse, Decision Making, Citizen

Involvement

What is a public issue?

- use data to analyze a public issue in Michigan; give examples of how people differ on how to solve an issue
- write a paragraph taking a side on an issue; develop a plan for informing others about an issue

The Government of Michigan

- Why do the people of Michigan need a government?*
- How is Michigan's state government organized?*
- How does our government respond to the needs of the people?*
- What are some important rights and responsibilities of Michigan citizens?*