

Extended Teacher's Guide to Ohio Academic Content, Standards, Benchmarks and Indicators for Grades 4, 5, 6



Definitions:

Academic Standards: clearly defined statements and /or illustrations of what all students, teachers, schools, and school districts are expected to know and be able to do.

Content Standards: describe the knowledge and skills that students should attain.

Benchmarks: key checkpoints used to measure a student's progress towards meeting the standards.

Grade-level Indicators: key checkpoints and specific statements of what all students should know and be able to do at each grade level that monitor progress towards meeting the benchmarks.

Lesson: Peter Rabbit Makes The "Change"

Objective:

Students will explore the changes a character makes as the story progresses.
Students will understand how character change leads to the development of the moral of a story.

Academic Content Standards

Students learn to apply the reading process to the various genres of literature, including fables, tales, short stories, novels, poetry and drama.

Students demonstrate their comprehension by describing and discussing the elements of literature (e.g., setting, character and plot), analyzing the author's use of language (e.g., word choice and figurative language), comparing and contrasting texts, inferring theme and meaning and responding to text in critical and creative ways.

- ❖ Ohio Academic Content Standards for Language Arts: #5 Reading Application: Literary Text Standard, Benchmark A
- ❖ National Council of Teachers of English and International Reading Association Standards for English Language Arts: #3.

Ohio Benchmarks (as stated in the 4-7 grade level band): Reading Application

4th grade: A
5th grade: A
6th grade: A

Ohio Grade-Level Indicators:

4th grade: 1
5th grade: 1
6th grade: 1

NCTE Standard: # 3 Apply a wide range of strategies to comprehend, interpret, evaluate and appreciate text

For more information, see:

<http://www.ode.state.oh.us/curriculum-assessment/ci/> Ohio Department of Education: Office of Curriculum and Instruction (Standards info)

<http://www.ncte.org/> National Council of Teachers of English

Lesson: Listen and Learn

Objective:

Students will learn the art of debate.

Students will prepare for the debate by gathering information, looking at both sides of the issue, and creating an argument to support their point.

Students will utilize presentation skills in debating their issue with another group.

Academic Content Standards:

Students learn to communicate effectively through exposure to good models and opportunities for practice.

Students learn to deliver presentations that effectively convey information and persuade or entertain audiences.

- ❖ Ohio Academic Content Standards for Language Arts: #10 Communication: Oral and Visual, Benchmarks C, D, E and F.
- ❖ National Council of Teachers of English and International Reading Association Standards for English Language Arts: #4, #7 and #12.

Ohio Benchmarks (as stated in the 3-4 and 5-7 grade level bands): Communications: Oral and Visual

4th grade: C, D, E, F, and G

5th grade: C, D, E, and F

6th grade: C, D, E, and F

Ohio Grade-Level Indicators:

4th grade: 3, 4, 5, 6; 7, 8, 9

5th grade: 3, 4, 5, 6, 7, 8, and 9

6th grade: 3, 4, 5, 6, 7, 8, and 9

NCTE Standards: #4 Communicate effectively with a variety of audiences and for different purposes; #7 Conduct research and gather, evaluate and synthesize data; and #12 Use spoken, written and visual language to accomplish their own purposes.

For more information, see:

<http://www.ode.state.oh.us/curriculum-assessment/ci/> Ohio Department of Education: Office of Curriculum and Instruction (Standards info)

<http://www.ncte.org/> National Council of Teachers of English

Lesson: Figure Out the Figure of Speech

Objective:

Students will interpret figures of speech and create their own original sayings.

Students will recognize and understand the meaning of a figure of speech, including idioms and slang expressions.

Academic Content Standards:

Students learn to apply the reading process to the various genres of literature, including fables, tales, short stories, novels, poetry and drama.

Students demonstrate their comprehension by describing and discussing the elements of literature (e.g., setting, character and plot), analyzing the author's use of language (e.g., word choice and figurative language), comparing and contrasting texts, inferring theme and meaning and responding to text in critical and creative ways.

- ❖ Ohio Academic Content Standards for Language Arts: #5 Reading Application: Literary Text Standard, Benchmark G.
- ❖ National Council of Teachers of English and International Reading Association Standards for English Language Arts: #3.

Ohio Benchmarks (as stated in the 4-7 grade level band): Reading Application

4th grade: G
 5th grade: G
 6th grade: G

Ohio Grade-Level Indicators:

4th grade: 7, 8
 5th grade: 7, 8
 6th grade: 7

NCTE Standard: #3 Apply a wide range of strategies to comprehend, interpret, evaluate and appreciate text.

For more information, see:

<http://www.ode.state.oh.us/curriculum-assessment/ci/> Ohio Department of Education: Office of Curriculum and Instruction (Standards info)
<http://www.ncte.org/> National Council of Teachers of English

Lesson: Farmer McGregor's Garden

Objective

Students will read chart/map of Farmer McGregor's Garden and solve problems related to fractions and finding area.

Academic Content Standards

Students demonstrate number sense, including an understanding of number systems and operations and how they relate to one another.

Students estimate and measure to a required degree of accuracy and precision by selecting and using appropriate units, tools, and technologies.

- ❖ Ohio Academic Content Standards for Mathematics: #1, Number, Number Sense and Operations, Benchmarks B and J (Grade 4); Benchmark B and I (Grades 5,6)
- ❖ Ohio Academic Content Standards for Mathematics: #2, Measurement, Benchmarks A and D (Grade 4); Benchmarks A, C and E (Grades 5,6)
- ❖ National Council of Teachers of Mathematics' Standards for School Mathematics (NCTM): #1 Number and Operations Standard; #2 Measurement Standard.

Ohio Benchmarks (as stated in the 3-4 and 5-7 grade level bands): Number, Number Sense

4th grade: B, J
 5th grade: B, I
 6th grade: I

Ohio Grade-Level Indicators:

4th grade: 1, 9
 5th grade: 1, 2, 3, and 13
 6th grade: 11, 13, and 14

Ohio Benchmarks (as stated in the 3-4 and 5-7 grade level bands): Measurement

4th grade: A, D
5th grade: A, C,
6th grade: A, C, E

Ohio Grade-Level Indicators:

4th grade: 2, 3, and 4
5th grade: 1, 6
6th grade: 3, 4, and 6

Ohio Benchmarks (as stated in the 3-4 and 5-7 grade level bands): Mathematical Processes

(embedded within the indicators)

4th grade: A, B, C, D, E, F, G, H, I, J, K
5th and 6th grades: A, B, C, D, E, F, G, H, I, J, K

NCTM Standards: #1Number and Operations. Understand, numbers, ways of representing numbers, relationships among numbers and number systems. **#2** Measurement. Understand measurable attributes of objects and the units, systems, and processes of measurement.

For more information, see:

<http://www.ode.state.oh.us/curriculum-assessment/ci/> Ohio Department of Education: Office of Curriculum and Instruction (Standards info)

<http://www.nctm.org/> National Council of Teachers of Mathematics

Lesson: Peter's Data

Objective:

Students will read a picture graph to explore, interpret information and make inferences regarding rabbit clothes that have lost at farms across the country.

Academic Content Standards

Students pose questions and collect, organize, represent, interpret and analyze data to answer those questions.

Students develop and evaluate inferences, predictions and arguments that are based on data.

- ❖ Ohio Academic Content Standards for Mathematics: #5, Data Analysis and Probability, Benchmark B and D (Grade 4); Benchmark A, C, D, E, and G (Grades 5,6)
- ❖ National Council of Teachers of Mathematics' Standards for School Mathematics: #5 Data Analysis and Probability.

Ohio Benchmarks (as stated in the 3-4 and 5-7 grade level bands): Data Analysis and

Probability

4th grade: B, D
5th grade: A, C, D, and E
6th grade: A, D, E, and G

Ohio Grade-Level Indicators:

4th grade: 2, 4, and 5
5th grade: 1, 2, 3, 4, and 5
6th grade: 1,2, 3, and 6

Ohio Benchmarks (as stated in the 3-4 and 5-7 grade level bands): Mathematical Processes
(embedded within the indicators)

4th grade: A, B, C, D, E, F, G, H, I, J, K

5th and 6th grades: A, B, C, D, E, F, G, H, I, J, K

NCTM Standards: #5 Data Analysis and Probability. Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.

For more information, see:

<http://www.ode.state.oh.us/curriculum-assessment/ci/> Ohio Department of Education: Office of Curriculum and Instruction (Standards info)

<http://www.nctm.org/> National Council of Teachers of Mathematics

Lesson: More or Less?

Objective

The students will recognize the relationship between supply and demand on Farmer McGregor's Farm.

Academic Content Standards

Ohio social studies academic content standards, benchmarks and grade-level indicators are currently in draft form. Official state adoption will not occur until December 2002. The suggested alignment to social studies strands for this lesson is subject to change as the draft standards are revised.

- ❖ Possible alignments: Ohio Academic Content Standards for Social Studies: Economics Standard

Economics:

Students use economic reasoning skills and knowledge of major economic concepts, issues and systems in order to make informed choices as producers, consumers, savers, investors, workers and citizens in an interdependent world.

- ❖ National Council for the Social Studies: Social studies programs should include experiences that provide for the study of how people organize for the production, distribution, and consumption of goods and services.

For more information, see:

<http://www.ode.state.oh.us/curriculum-assessment/ci/> Ohio Department of Education: Office of Curriculum and Instruction (Standards info)

<http://www.socialstudies.org/> National Council for the Social Studies

Lesson: Farmer McGregor, How does your garden grow?

Objective

Students follow the beginning of the growth process of a variety of seeds, recording and evaluating data as growth progresses.

Students use estimation, calculations and variables to find out how a variety of different situations change data.

Students compare and evaluate data.

Students record and present collected data in chart form for comparison with other data.

Academic Content Standards:

Ohio science academic content standards, benchmarks and grade-level indicators are currently in draft form. Official state adoption will not occur until December 2002. The suggested alignment to

science strands for this lesson is subject to change as the draft standards are revised.

- ❖ Possible alignments: Ohio Academic Content Standards for Science: Life Cycles and Scientific Inquiry Standard
Life Science: Students will demonstrate an understanding of how living systems function and how they interact with the physical environment.
Scientific Inquiry: Students will develop scientific habits of mind as they use the processes of scientific inquiry to ask valid questions and to gather and analyze information

- ❖ National Science Education Standards: Grade 4 Students build understanding of biological concepts through direct experience with living things, their life cycles, and their habitats. Students should experience science in a form that engages them in the active construction of ideas and explanations that enhance their opportunities to develop the abilities of doing science.

Grade 5 and 6 Students should progress from studying life science from the point of view of individual organisms to recognizing patterns in ecosystems and developing understandings about the cellular dimensions of living systems. Students should be provided opportunities to engage in full and in partial inquiries.

For more information, see:

<http://www.ode.state.oh.us/curriculum-assessment/ci/> Ohio Department of Education: Office of Curriculum and Instruction (Standards info)

<http://www.nsta.org/> National Science Teachers Association
