

A correlation of
**Population Connection
Activities**

from

**People and the Planet:
*Lessons for a Sustainable Future***

to

The Show-Me Standards

Organized by:

- 1. Population Connection Activity*
- 2. Subject*
- 3. Standard*

Table of Contents

<i>Cougar Hunt</i>	3
<i>Earth: The Apple of Our Eye</i>	4
<i>Eco Ethics</i>	5
<i>Educating Wanjiku</i>	6
<i>Everything Is Connected</i>	7
<i>Family Perspective</i>	8
<i>Food for Thought</i>	9
<i>For the Common Good</i>	10
<i>Growing Pains in Texas Hill Country</i>	11
<i>The Hunger Banquet</i>	13
<i>If Money Won't Buy It</i>	14
<i>In Search of Sustainable Life</i>	15
<i>Looking to the Future</i>	16
<i>Market Research</i>	17
<i>Measuring a Million</i>	18
<i>On the Double</i>	19
<i>People on the Move</i>	20
<i>Population Circle</i>	21
<i>Power of the Pyramids</i>	22
<i>Seeing Double</i>	23
<i>Stage Stepping</i>	24
<i>Stash the Trash</i>	25
<i>The Stork and the Grim Reaper</i>	26
<i>Take a Stand</i>	27
<i>Timber!</i>	28
<i>Transportation Tally</i>	29
<i>Treasures Underground</i>	30
<i>Waste Not, Want Not</i>	31
<i>Water, Water Everywhere</i>	32
<i>Who Polluted the Potomac?</i>	33
<i>A World of Difference</i>	34
<i>World Real Estate</i>	35
<i>“The Balance of Nature”</i>	36
<i>“Global Family Ties”</i>	37
<i>“You’re One in Six Billion!”</i>	38
<i>“Your Place on the Planet”</i>	39

Cougar Hunt

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations

Science

3. characteristics and interactions of living organisms
4. changes in ecosystems and interactions of organisms with their environments
8. impact of science, technology and human activity on resources and the environment

Earth: The Apple of Our Eye

Goals

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

1. identify problems and define their scope and elements

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

3. analyze the duties and responsibilities of individuals in societies

Mathematics

2. geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes

4. patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts

5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

Science

4. changes in ecosystems and interactions of organisms with their environments

8. impact of science, technology and human activity on resources and the environment

Social Studies

5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment

Eco-Ethics

Goals

GOAL 2: Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.

Students will demonstrate within and integrate across all content areas the ability to

3. exchange information, questions and ideas while recognizing the perspectives of others

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

1. identify problems and define their scope and elements
3. develop and apply strategies based on one's own experience in preventing or solving problems
4. evaluate the processes used in recognizing and solving problems
6. examine problems and proposed solutions from multiple perspective

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

1. explain reasoning and identify information used to support decisions
3. analyze the duties and responsibilities of individuals in societies

Communication Arts

1. speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)
6. participating in formal and informal presentations and discussions of issues and ideas

Science

8. impact of science, technology and human activity on resources and the environment

Educating Wanjiku

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

5. comprehend and evaluate written, visual and oral presentations and works
9. identify, analyze and compare the institutions, traditions and art forms of past and present societies

Communication Arts

1. speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)

Social Studies

5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment

Social Studies

6. relationships of the individual and groups to institutions and cultural traditions

Everything Is Connected

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

6. discover and evaluate patterns and relationships in information, ideas and structures

Science

4. changes in ecosystems and interactions of organisms with their environments
8. impact of science, technology and human activity on resources and the environment

Family Perspective

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

6. discover and evaluate patterns and relationships in information, ideas and structures

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations

3. data analysis, probability and statistics

Social Studies

2. continuity and change in the history of Missouri, the United States and the world

6. relationships of the individual and groups to institutions and cultural traditions

Food for Thought

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

9. identify, analyze and compare the institutions, traditions and art forms of past and present societies

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

5. reason inductively from a set of specific facts and deductively from general premises

Communication Arts

1. speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)

Mathematics

5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

Science

4. changes in ecosystems and interactions of organisms with their environments
8. impact of science, technology and human activity on resources and the environment

Social Studies

2. continuity and change in the history of Missouri, the United States and the world
4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)
5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment
6. relationships of the individual and groups to institutions and cultural traditions
7. the use of tools of social science inquiry (such as surveys, statistics, maps, documents)

For the Common Good

Goals

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

1. identify problems and define their scope and elements
3. develop and apply strategies based on one's own experience in preventing or solving problems
4. evaluate the processes used in recognizing and solving problems
7. evaluate the extent to which a strategy addresses the problem

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

3. analyze the duties and responsibilities of individuals in societies

Science

8. impact of science, technology and human activity on resources and the environment

Social Studies

4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)

Growing Pains in Texas Hill Country

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

1. develop questions and ideas to initiate and refine research
5. comprehend and evaluate written, visual and oral presentations and works
7. evaluate the accuracy of information and the reliability of its sources

GOAL 2: Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.

Students will demonstrate within and integrate across all content areas the ability to

1. plan and make written, oral and visual presentations for a variety of purposes and audiences
3. exchange information, questions and ideas while recognizing the perspectives of others

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

6. examine problems and proposed solutions from multiple perspective
8. assess costs, benefits and other consequences of proposed solutions

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

1. explain reasoning and identify information used to support decisions
3. analyze the duties and responsibilities of individuals in societies

Communication Arts

1. speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)
3. reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)
4. writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)
5. comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)
6. participating in formal and informal presentations and discussions of issues and ideas

Science

4. changes in ecosystems and interactions of organisms with their environments

8. impact of science, technology and human activity on resources and the environment

Social Studies

5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment

7. the use of tools of social science inquiry (such as surveys, statistics, maps, documents)

The Hunger Banquet

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations

Social Studies

5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment

If Money Won't Buy It

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

10. apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

1. identify problems and define their scope and elements
7. evaluate the extent to which a strategy addresses the problem

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

3. analyze the duties and responsibilities of individuals in societies

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations

Science

4. changes in ecosystems and interactions of organisms with their environments
8. impact of science, technology and human activity on resources and the environment

Social Studies

4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)

In Search of Sustainable Life

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

1. develop questions and ideas to initiate and refine research
2. conduct research to answer questions and evaluate information and ideas
10. apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

GOAL 2: Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.

Students will demonstrate within and integrate across all content areas the ability to

3. exchange information, questions and ideas while recognizing the perspectives of others

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

1. identify problems and define their scope and elements
4. evaluate the processes used in recognizing and solving problems
7. evaluate the extent to which a strategy addresses the problem

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

3. analyze the duties and responsibilities of individuals in societies

Communication Arts

6. participating in formal and informal presentations and discussions of issues and ideas

Science

8. impact of science, technology and human activity on resources and the environment

Looking to the Future

Goals

GOAL 2: Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.

Students will demonstrate within and integrate across all content areas the ability to

1. plan and make written, oral and visual presentations for a variety of purposes and audiences

Communication Arts

1. speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)
4. writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)
5. comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)

Science

8. impact of science, technology and human activity on resources and the environment

Market Research

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

2. conduct research to answer questions and evaluate information and ideas
6. discover and evaluate patterns and relationships in information, ideas and structures
10. apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

3. analyze the duties and responsibilities of individuals in societies

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations

Science

7. processes of scientific inquiry (such as formulating and testing hypotheses)
8. impact of science, technology and human activity on resources and the environment

Social Studies

4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)
7. the use of tools of social science inquiry (such as surveys, statistics, maps, documents)

Measuring a Million

Goals

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

4. evaluate the processes used in recognizing and solving problems

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations
2. geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes
4. patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts
5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

On the Double

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

6. discover and evaluate patterns and relationships in information, ideas and structures
8. organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

5. reason inductively from a set of specific facts and deductively from general premises

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations
3. data analysis, probability and statistics
4. patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts
5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

Science

3. characteristics and interactions of living organisms

People on the Move

Goals

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

5. reason inductively from a set of specific facts and deductively from general premises

Social Studies

6. relationships of the individual and groups to institutions and cultural traditions

Population Circle

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

8. organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations

4. patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts

5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

Social Studies

5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment

Power of the Pyramids

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

6. discover and evaluate patterns and relationships in information, ideas and structures
8. organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation
9. identify, analyze and compare the institutions, traditions and art forms of past and present societies

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

5. reason inductively from a set of specific facts and deductively from general premises

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations
4. patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts

Social Studies

2. continuity and change in the history of Missouri, the United States and the world
5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment
6. relationships of the individual and groups to institutions and cultural traditions
7. the use of tools of social science inquiry (such as surveys, statistics, maps, documents)

Seeing Double

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

3. design and conduct field and laboratory investigations to study nature and society
6. discover and evaluate patterns and relationships in information, ideas and structures

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

5. reason inductively from a set of specific facts and deductively from general premises

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations

Science

3. characteristics and interactions of living organisms

Stage Stepping

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

6. discover and evaluate patterns and relationships in information, ideas and structures
8. organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations
4. patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts
5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

Stash the Trash

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

1. develop questions and ideas to initiate and refine research
2. conduct research to answer questions and evaluate information and ideas
3. design and conduct field and laboratory investigations to study nature and society
10. apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

5. reason inductively from a set of specific facts and deductively from general premises

Science

4. changes in ecosystems and interactions of organisms with their environments
5. processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere
7. processes of scientific inquiry (such as formulating and testing hypotheses)
8. impact of science, technology and human activity on resources and the environment

The Stork and the Grim Reaper

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations
2. geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes
5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

Science

7. processes of scientific inquiry (such as formulating and testing hypotheses)

Take a Stand

Goals

GOAL 2: Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.

Students will demonstrate within and integrate across all content areas the ability to

3. exchange information, questions and ideas while recognizing the perspectives of others

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

6. examine problems and proposed solutions from multiple perspective

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

1. explain reasoning and identify information used to support decisions
2. analyze the duties and responsibilities of individuals in societies

Communication Arts

1. speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)
5. comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)
6. participating in formal and informal presentations and discussions of issues and ideas

Science

4. changes in ecosystems and interactions of organisms with their environments
8. impact of science, technology and human activity on resources and the environment

Social Studies

4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)
6. relationships of the individual and groups to institutions and cultural traditions

Timber!

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

8. organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations
3. data analysis, probability and statistics
4. patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts
5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

Science

3. characteristics and interactions of living organisms
4. changes in ecosystems and interactions of organisms with their environments
8. impact of science, technology and human activity on resources and the environment

Social Studies

4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)

Transportation Tally

Goals

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

3. analyze the duties and responsibilities of individuals in societies

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations

5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

Science

4. changes in ecosystems and interactions of organisms with their environments

8. impact of science, technology and human activity on resources and the environment

Social Studies

4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)

Treasures Underground

Goals

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

1. identify problems and define their scope and elements
4. evaluate the processes used in recognizing and solving problems
8. assess costs, benefits and other consequences of proposed solutions

Science

4. changes in ecosystems and interactions of organisms with their environments
7. processes of scientific inquiry (such as formulating and testing hypotheses)
8. impact of science, technology and human activity on resources and the environment

Social Studies

4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)

Waste Not, Want Not

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

10. apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

1. identify problems and define their scope and elements

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

3. analyze the duties and responsibilities of individuals in societies

Science

7. processes of scientific inquiry (such as formulating and testing hypotheses)

Social Studies

4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)

Water, Water Everywhere

Goals

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

3. analyze the duties and responsibilities of individuals in societies

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations
2. geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes
5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

Science

5. processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere
7. processes of scientific inquiry (such as formulating and testing hypotheses)
8. impact of science, technology and human activity on resources and the environment

Social Studies

5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment

Who Polluted the Potomac?

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

10. apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

1. identify problems and define their scope and elements

4. evaluate the processes used in recognizing and solving problems

7. evaluate the extent to which a strategy addresses the problem

8. assess costs, benefits and other consequences of proposed solutions

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

3. analyze the duties and responsibilities of individuals in societies

Communication Arts

5. comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)

Science

4. changes in ecosystems and interactions of organisms with their environments

7. processes of scientific inquiry (such as formulating and testing hypotheses)

8. impact of science, technology and human activity on resources and the environment

A World of Difference

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

6. discover and evaluate patterns and relationships in information, ideas and structures

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations

3. data analysis, probability and statistics

5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)

Science

3. characteristics and interactions of living organisms

4. changes in ecosystems and interactions of organisms with their environments

7. processes of scientific inquiry (such as formulating and testing hypotheses)

8. impact of science, technology and human activity on resources and the environment

Social Studies

5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment

World Real Estate

Mathematics

1. addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations
3. data analysis, probability and statistics
4. patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts

Science

7. processes of scientific inquiry (such as formulating and testing hypotheses)

Social Studies

2. continuity and change in the history of Missouri, the United States and the world
5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment

The Balance of Nature (Reading)

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

5. comprehend and evaluate written, visual and oral presentations and works

Science

3. characteristics and interactions of living organisms
4. changes in ecosystems and interactions of organisms with their environments
8. impact of science, technology and human activity on resources and the environment

Social Studies

4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)
5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment

Global Family Ties (Reading)

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

5. comprehend and evaluate written, visual and oral presentations and works

Science

8. impact of science, technology and human activity on resources and the environment

Social Studies

2. continuity and change in the history of Missouri, the United States and the world
4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)
5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment
6. relationships of the individual and groups to institutions and cultural traditions

You're One in Six Billion! (Reading)

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

5. comprehend and evaluate written, visual and oral presentations and works

Science

4. changes in ecosystems and interactions of organisms with their environments
8. impact of science, technology and human activity on resources and the environment

Social Studies

2. continuity and change in the history of Missouri, the United States and the world
4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)
5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment

Your Place on the Planet (Reading)

Goals

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

5. comprehend and evaluate written, visual and oral presentations and works

Science

4. changes in ecosystems and interactions of organisms with their environments

8. impact of science, technology and human activity on resources and the environment

Social Studies

5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment