

A Correlation of  
Population Connection Materials

from

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

to

**The Show-Me Standards**

**Organized by:**

*1. Subject*

*2. Standard*

*3. Population Connection Activity*

# Table of Contents

<i>Goals</i> .....	3
<i>Communication</i> .....	6
<i>Mathematics</i> .....	7
<i>Science</i> .....	9
<i>Social Studies</i> .....	11

---

---

# 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
  - Growing Pains in Texas Hill Country
  - In Search of Sustainable Life
  - Stash the Trash
2. conduct research to answer questions and evaluate information and ideas
  - In Search of Sustainable Life
  - Market Research
  - Stash the Trash
3. design and conduct field and laboratory investigations to study nature and society
  - Seeing Double
  - Stash the Trash
5. comprehend and evaluate written, visual and oral presentations and works
  - Educating Wanjiku
  - Growing Pains in Texas Hill Country
  - The Balance of Nature*
  - Global Family Ties*
  - You're One in Six Billion!*
  - Your Place on the Planet*
6. discover and evaluate patterns and relationships in information, ideas and structures
  - Everything Is Connected
  - Family Perspective
  - Market Research
  - On the Double
  - Power of the Pyramids
  - Seeing Double
  - Stage Stepping
  - A World of Difference
7. evaluate the accuracy of information and the reliability of its sources
  - Growing Pains in Texas Hill Country
8. organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation
  - On the Double
  - Population Circle
  - Power of the Pyramids
  - Stage Stepping
  - Timber!
9. identify, analyze and compare the institutions, traditions and art forms of past and present societies
  - Educating Wanjiku
  - Food for Thought
  - Power of the Pyramids

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

- If Money Won't Buy It
- In Search of Sustainable Life
- Market Research
- Stash the Trash
- Waste Not, Want Not
- Who Polluted the Potomac?

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
  - Growing Pains in Texas Hill Country
  - Looking to the Future
3. exchange information, questions and ideas while recognizing the perspectives of others
  - Eco Ethics
  - Growing Pains in Texas Hill Country
  - In Search of Sustainable Life
  - Take a Stand

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
  - Earth: The Apple of Our Eye
  - Eco Ethics
  - For the Common Good
  - If Money Won't Buy It
  - In Search of Sustainable Life
  - Treasures Underground
  - Waste Not, Want Not
  - Who Polluted the Potomac?
3. develop and apply strategies based on one's own experience in preventing or solving problems
  - Eco Ethics
  - For the Common Good
4. evaluate the processes used in recognizing and solving problems
  - Eco Ethics
  - For the Common Good
  - In Search of Sustainable Life
  - Measuring a Million
  - Treasures Underground
  - Who Polluted the Potomac?
5. reason inductively from a set of specific facts and deductively from general premises
  - Food for Thought
  - People on the Move
  - Power of the Pyramids
  - Seeing Double

Stash the Trash

6. examine problems and proposed solutions from multiple perspective
  - Eco Ethics
  - Growing Pains in Texas Hill Country
  - Take a Stand
7. evaluate the extent to which a strategy addresses the problem
  - For the Common Good
  - If Money Won't Buy It
  - In Search of Sustainable Life
  - Who Polluted the Potomac?
8. assess costs, benefits and other consequences of proposed solutions
  - Growing Pains in Texas Hill Country
  - Treasures Underground
  - Who Polluted the Potomac?

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
  - Eco Ethics
  - Growing Pains in Texas Hill Country
  - Take a Stand
3. analyze the duties and responsibilities of individuals in societies
  - Earth: The Apple of Our Eye
  - Eco Ethics
  - For the Common Good
  - Growing Pains in Texas Hill Country
  - If Money Won't Buy It
  - In Search of Sustainable Life
  - Market Research
  - Take a Stand
  - Transportation Tally
  - Waste Not, Want Not
  - Water, Water Everywhere
  - Who Polluted the Potomac?

---

---

## Communication Arts

---

---

1. speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)
  - Eco Ethics
  - Educating Wanjiku
  - Food for Thought
  - Growing Pains in Texas Hill Country
  - Looking to the Future
  - Take a Stand
  
3. reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)
  - Growing Pains in Texas Hill Country
  
4. writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)
  - Growing Pains in Texas Hill Country
  - Looking to the Future
  
5. comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)
  - Growing Pains in Texas Hill Country
  - Looking to the Future
  - Take a Stand
  - Who Polluted the Potomac?
  
6. participating in formal and informal presentations and discussions of issues and ideas
  - Eco Ethics
  - Growing Pains in Texas Hill Country
  - In Search of Sustainable Life
  - Take a Stand

---

---

# 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

Cougar Hunt  
Family Perspective  
The Hunger Banquet  
If Money Won't Buy It  
Market Research  
Measuring a Million  
On the Double  
Population Circle  
Power of the Pyramids  
Seeing Double  
Stage Stepping  
The Stork and the Grim Reaper  
Timber!  
Transportation Tally  
Water, Water Everywhere  
A World of Difference  
World Real Estate

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

Earth: The Apple of Our Eye  
Measuring a Million  
The Stork and the Grim Reaper  
Water, Water Everywhere

3. data analysis, probability and statistics

Family Perspective  
On the Double  
Timber!  
A World of Difference  
World Real Estate

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

Earth: The Apple of Our Eye  
Measuring a Million  
On the Double  
Population Circle  
Power of the Pyramids  
Stage Stepping  
Timber!  
World Real Estate

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

Earth: The Apple of Our Eye  
Food for Thought  
Measuring a Million  
On the Double  
Population Circle  
Stage Stepping  
The Stork and the Grim Reaper

Timber!  
Transportation Tally  
Water, Water Everywhere  
A World of Difference

---

---

## Science

---

---

3. characteristics and interactions of living organisms
  - Cougar Hunt
  - On the Double
  - Seeing Double
  - Timber!
  - A World of Difference
  - The Balance of Nature*
  
4. changes in ecosystems and interactions of organisms with their environments
  - Cougar Hunt
  - Earth: The Apple of Our Eye
  - Everything Is Connected
  - Food for Thought
  - Growing Pains in Texas Hill Country
  - If Money Won't Buy It
  - Stash the Trash
  - Take a Stand
  - Timber!
  - Transportation Tally
  - Treasures Underground
  - Who Polluted the Potomac?
  - A World of Difference
  - The Balance of Nature*
  - You're One in Six Billion!*
  - Your Place on the Planet*
  
5. processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere and hydrosphere
  - Stash the Trash
  - Water, Water Everywhere
  
7. processes of scientific inquiry (such as formulating and testing hypotheses)
  - Market Research
  - Stash the Trash
  - The Stork and the Grim Reaper
  - Treasures Underground
  - Waste Not, Want Not
  - Water, Water Everywhere
  - Who Polluted the Potomac?
  - A World of Difference
  - World Real Estate
  
8. impact of science, technology and human activity on resources and the environment
  - Cougar Hunt
  - Earth: The Apple of Our Eye
  - Eco Ethics
  - Everything Is Connected
  - Food for Thought
  - For the Common Good
  - Growing Pains in Texas Hill Country
  - If Money Won't Buy It
  - In Search of Sustainable Life
  - Looking to the Future

Market Research  
Treasures Underground  
Stash the Trash  
Take a Stand  
Timber!  
Transportation Tally  
Water, Water Everywhere  
Who Polluted the Potomac?  
A World of Difference  
*The Balance of Nature*  
*Global Family Ties*  
*You're One in Six Billion!*  
*Your Place on the Planet*

---

---

## Social Studies

---

---

2. continuity and change in the history of Missouri, the United States and the world
  - Family Perspective
  - Food for Thought
  - Power of the Pyramids
  - World Real Estate
  - Global Family Ties*
  - You're One in Six Billion!*
  
4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)
  - Food for Thought
  - For the Common Good
  - If Money Won't Buy It
  - Market Research
  - Take a Stand
  - Timber!
  - Transportation Tally
  - Treasures Underground
  - Waste Not, Want Not
  - The Balance of Nature*
  - Global Family Ties*
  - You're One in Six Billion!*
  
5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment
  - Earth: The Apple of Our Eye
  - Educating Wanjiku
  - Food for Thought
  - Growing Pains in Texas Hill Country
  - The Hunger Banquet
  - Population Circle
  - Power of the Pyramids
  - Water, Water Everywhere
  - A World of Difference
  - World Real Estate
  - The Balance of Nature*
  - Global Family Ties*
  - You're One in Six Billion!*
  - Your Place on the Planet*
  
6. relationships of the individual and groups to institutions and cultural traditions
  - Educating Wanjiku
  - Family Perspective
  - Food for Thought
  - Maria's Education
  - People on the Move
  - Power of the Pyramids
  - Take a Stand
  - Global Family Ties*
  
7. the use of tools of social science inquiry (such as surveys, statistics, maps, documents)
  - Food for Thought
  - Growing Pains in Texas Hill Country

Market Research  
Power of the Pyramids