

A Correlation of
Population Connection Materials

from

Teaching Population:
Hands-on Activities

to

The Show-Me Standards

Organized by:

1. Subject

2. Standard

3. Population Connection Activity

Table of Contents

<i>Goals</i>	3
<i>Communication Arts</i>	7
<i>Mathematics</i>	8
<i>Science</i>	10
<i>Social Studies</i>	13

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
 - How Much Space Do We Need?
 - Living on \$500 a Year
 - Maria's Education
 - A Woman's Place
2. conduct research to answer questions and evaluate information and ideas
 - People Count
 - A Woman's Place
3. design and conduct field and laboratory investigations to study nature and society
 - People Count
4. use technological tools and other resources to locate, select and organize information
 - A Woman's Place
5. comprehend and evaluate written, visual and oral presentations and works
 - Educating Wanjiku
 - Growing Pains in Texas Hill Country
 - Living on \$500 a Year
 - Maria's Education
 - A Woman's Place
 - The Balance of Nature*
 - Feeding the Global Family*
 - Global Family Ties*
 - How Do People Use the Earth's Resources?*
 - How Many Is Enough?*
 - The People Connection*
 - People Count: Facing the Population Challenge*
 - The Rising Tide of Poverty*
 - Sharing a Small World*
 - Troubled Water*
 - A Warm Forecast for the Planet?*
 - What Are People's Basic Needs?*
 - What Is a Population?*
 - Why Do People Need Space?*
 - Women: The Critical Link*
 - You're One in Six Billion!*
 - Your Place on the Planet*
6. discover and evaluate patterns and relationships in information, ideas and structures
 - Adding Armadillos
 - All in the Family
 - Everything Is Connected
 - Family Perspective
 - More or Less

Multiplying Mice
On the Double
People Count
The Pop Ecology Files
Power of the Pyramids
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

Adding Armadillos
All in the Family
Energy Imagery
Multiplying Mice
Needs vs. Wants
On the Double
People Count
Population Circle
Power of the Pyramids
Stage Stepping
Timber!
World Population Video

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

Energy Imagery
Educating Wanjiku
Food for Thought
Maria's Education
Power of the Pyramids
A Woman's Place
World Population Video

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

Baby-O-Matic
Energy Imagery
Global Warming Begins at Home
Needs vs. Wants
Who Polluted the Potomac?
Who Polluted the River?

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
A Woman's Place

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

Eco Ethics
Growing Pains in Texas Hill Country

Living on \$500 a Year
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 (Elementary)
Earth: The Apple of Our Eye (Intermediate/Secondary)
Eco Ethics
For the Common Good
Go Fish!
Living on \$500 a Year
Mining for Chocolate
Something for Everyone
When the Chips Are Down
Who Polluted the Potomac?
Who Polluted the River?
A Woman's Place

3. develop and apply strategies based on one's own experience in preventing or solving problems

Eco Ethics
For the Common Good
Go Fish!
Something for Everyone

4. evaluate the processes used in recognizing and solving problems

Eco Ethics
Everything Counts
For the Common Good
Go Fish!
Measuring a Million
Mining for Chocolate
Something for Everyone
Who Polluted the Potomac?
Who Polluted the River?

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

Baby-O-Matic
Crowding Can Be Seedy
Food for Thought
People Count
People on the Move
Power of the Pyramids
World Population Video

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

Creatures in Motion
For the Common Good

Go Fish!
Living on \$500 a Year
Something for Everyone
Who Polluted the Potomac?
Who Polluted the River?

8. assess costs, benefits and other consequences of proposed solutions
 - Growing Pains in Texas Hill Country
 - Living on \$500 a Year
 - Mining for Chocolate
 - When the Chips Are Down
 - Who Polluted the Potomac?
 - Who Polluted the River?
 - A Woman's Place

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 (Elementary)
 - Earth: The Apple of Our Eye (Intermediate/Secondary)
 - Earth Cookie
 - Eco Ethics
 - Energy Imagery
 - For the Common Good
 - Go Fish!
 - Growing Pains in Texas Hill Country
 - Needs vs. Wants
 - Something for Everyone
 - Take a Stand
 - Transportation Tally
 - Water, Water Everywhere (Elementary/Intermediate)
 - Water, Water Everywhere (Secondary)
 - Web of Life
 - Who Polluted the Potomac?
 - Who Polluted the River?

Communication Arts

1. speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)
 - Eco Ethics
 - Educating Wanjiku
 - Energy Imagery
 - Food for Thought
 - Growing Pains in Texas Hill Country
 - Living on \$500 a Year
 - People Count
 - Take a Stand
 - When the Chips Are Down
 - A Woman's Place

3. reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)
 - Growing Pains in Texas Hill Country
 - Living on \$500 a Year
 - A Woman's Place
 - Feeding the Global Family*
 - The People Connection*
 - The Rising Tide of Poverty*
 - Troubled Water*
 - A Warm Forecast for the Planet?*
 - Women: The Critical Link*

4. writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)
 - Growing Pains in Texas Hill Country

5. comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)
 - Energy Imagery
 - Growing Pains in Texas Hill Country
 - Looking to the Future
 - Take a Stand
 - Web of Life
 - Who Polluted the Potomac?
 - Who Polluted the River?
 - World Population Video

6. participating in formal and informal presentations and discussions of issues and ideas
 - Eco Ethics
 - Growing Pains in Texas Hill Country
 - Living on \$500 a Year
 - Take a Stand
 - A Woman's Place

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

- Adding Armadillos
- All in the Family
- Cougar Hunt
- Family Perspective
- Global Warming Begins at Home
- Go Fish!
- How Much Space Do We Need?
- The Hunger Banquet
- Measuring a Million
- Multiplying Mice
- On the Double
- People Count
- The Pop Ecology Files
- Population Circle
- Population Clock
- Population Riddles
- Power of the Pyramids
- Stage Stepping
- The Stork and the Grim Reaper
- Timber!
- Transportation Tally
- Water, Water Everywhere (Elementary/Intermediate)
- Water, Water Everywhere (Secondary)
- A World of Difference
- World Population Video

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

- Earth: The Apple of Our Eye (Elementary)
- Earth: The Apple of Our Eye (Intermediate/Secondary)
- Earth Cookie
- Everything Counts
- How Much Space Do We Need?
- Measuring a Million
- Population Riddles
- The Stork and the Grim Reaper
- Water, Water Everywhere (Elementary/Intermediate)
- Water, Water Everywhere (Secondary)

3. data analysis, probability and statistics

- All in the Family
- Everything Counts
- Family Perspective
- How Much Space Do We Need?
- On the Double
- People Count
- The Pop Ecology Files
- Timber!
- A World of Difference

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

Adding Armadillos
All in the Family
Earth: The Apple of Our Eye (Elementary)
Earth: The Apple of Our Eye (Intermediate/Secondary)
Everything Counts
How Much Space Do We Need?
Measuring a Million
Multiplying Mice
On the Double
The Pop Ecology Files
Population Circle
Population Clock
Population Riddles
Power of the Pyramids
Stage Stepping
Timber!
World Population Video

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

Adding Armadillos
All in the Family
Earth: The Apple of Our Eye (Elementary)
Earth: The Apple of Our Eye (Intermediate/Secondary)
Earth Cookie
Everything Counts
Food for Thought
Global Warming Begins at Home
How Much Space Do We Need?
Measuring a Million
Multiplying Mice
On the Double
People Count
Population Circle
Population Clock
Population Riddles
Stage Stepping
The Stork and the Grim Reaper
Timber!
Transportation Tally
Water, Water Everywhere (Elementary/Intermediate)
Water, Water Everywhere (Secondary)
A World of Difference

Science

3. characteristics and interactions of living organisms

Adding Armadillos
All in the Family
Cougar Hunt
Crowding Can Be Seedy
Everything Counts
How Much Space Do We Need?
Multiplying Mice
On the Double
People Count
The Pop Ecology Files
Population Riddles
Timber!
Web of Life
A World of Difference
The Balance of Nature
How Do People Use the Earth's Resources?
How Many Is Enough?
Sharing a Small World
What Are People's Basic Needs?
What Is a Population?
Why Do People Need Space?

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

Cougar Hunt
Earth: The Apple of Our Eye (Elementary)
Earth: The Apple of Our Eye (Intermediate/Secondary)
Earth Cookie
Everything Is Connected
Food for Thought
Global Warming Begins at Home
Growing Pains in Texas Hill Country
Mining for Chocolate
More or Less
The Pop Ecology Files
Take a Stand
Timber!
Transportation Tally
Web of Life
Who Polluted the Potomac?
Who Polluted the River?
A World of Difference
The Balance of Nature
How Do People Use the Earth's Resources?
How Many Is Enough?
The People Connection
People Count: Facing the Population Challenge
Sharing a Small World
Troubled Water
A Warm Forecast for the Planet?
What Are People's Basic Needs?
Why Do People Need Space?
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

Global Warming Begins at Home
Water, Water Everywhere (Elementary/Intermediate)
Water, Water Everywhere (Secondary)
Troubled Water
A Warm Forecast for the Planet?

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

Crowding Can Be Seedy
Everything Counts
Global Warming Begins at Home
How Much Space Do We Need?
Mining for Chocolate
The Pop Ecology Files
The Stork and the Grim Reaper
Water, Water Everywhere (Elementary/Intermediate)
Water, Water Everywhere (Secondary)
Who Polluted the Potomac?
Who Polluted the River?
A World of Difference

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

Cougar Hunt
Creatures in Motion
Crowding Can Be Seedy
Earth: The Apple of Our Eye (Elementary)
Earth: The Apple of Our Eye (Intermediate/Secondary)
Earth Cookie
Eco Ethics
Energy Imagery
Everything Is Connected
Food for Thought
For the Common Good
Global Warming Begins at Home
Go Fish!
Growing Pains in Texas Hill Country
How Much Space Do We Need?
Market Research
Mining for Chocolate
More or Less
Needs vs. Wants
The Pop Ecology Files
Something for Everyone
Take a Stand
Timber!
Transportation Tally
Water, Water Everywhere (Elementary/Intermediate)
Water, Water Everywhere (Secondary)
Web of Life
Who Polluted the Potomac?
Who Polluted the River?
A World of Difference
World Population Video

The Balance of Nature
Feeding the Global Family
Global Family Ties
How Do People Use the Earth's Resources?
How Many Is Enough?
The People Connection
People Count: Facing the Population Challenge
The Rising Tide of Poverty
Sharing a Small World
Troubled Water
A Warm Forecast for the Planet?
What Are People's Basic Needs?
What Is a Population?
Why Do People Need Space?
Women: The Critical Link
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
 - Living on \$500 a Year
 - Power of the Pyramids
 - World Population Video
 - Global Family Ties*
 - The People Connection*
 - People Count: Facing the Population Challenge*
 - 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
 - Go Fish!
 - Living on \$500 a Year
 - Mining for Chocolate
 - Needs vs. Wants
 - Something for Everyone
 - Take a Stand
 - Timber!
 - Transportation Tally
 - When the Chips Are Down
 - The Balance of Nature*
 - Feeding the Global Family*
 - Global Family Ties*
 - How Do People Use the Earth's Resources?*
 - People Count: Facing the Population Challenge*
 - The Rising Tide of Poverty*
 - Troubled Water*
 - A Warm Forecast for the Planet?*
 - Women: The Critical Link*
 - 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 (Elementary)
 - Earth: The Apple of Our Eye (Intermediate/Secondary)
 - Earth Cookie
 - Educating Wanjiku
 - Food for Thought
 - Growing Pains in Texas Hill Country
 - How Much Space Do We Need?
 - The Hunger Banquet
 - Living on \$500 a Year
 - Population Circle
 - Power of the Pyramids
 - Water, Water Everywhere (Elementary/Intermediate)
 - Water, Water Everywhere (Secondary)
 - When the Chips Are Down
 - A Woman's Place
 - A World of Difference

World Population Video
The Balance of Nature
Feeding the Global Family
Global Family Ties
How Do People Use the Earth's Resources?
The People Connection
People Count: Facing the Population Challenge
The Rising Tide of Poverty
Troubled Water
A Warm Forecast for the Planet?
Women: The Critical Link
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
A Woman's Place
Feeding the Global Family
Global Family Ties
The Rising Tide of Poverty
Women: The Critical Link

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

Food for Thought
Growing Pains in Texas Hill Country
Power of the Pyramids