

A Correlation of
Population Connection Materials

from

Multiplying People, Dividing Resources:
Global Math Activities

to

The Show-Me State

Organized by:

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

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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
How Much Space Do We Need?
What Do You Think?
2. conduct research to answer questions and evaluate information and ideas
What Do You Think?
3. design and conduct field and laboratory investigations to study nature and society
What Do You Think?
6. discover and evaluate patterns and relationships in information, ideas and structures
All in the Family
Every Picture Tells a Story
On the Double
The Pop Ecology Files
Power of the Pyramids
What Do You Think?
A World of Difference
8. organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation
All in the Family
On the Double
Power of the Pyramids
Timber!
What Do You Think?
9. identify, analyze and compare the institutions, traditions and art forms of past and present societies
Power of the Pyramids
10. apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers
Global Warming Begins at Home

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
Everything Counts
Measuring a Million
5. reason inductively from a set of specific facts and deductively from general premises
Every Picture Tells a Story
Power of the Pyramids

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
Transportation Tally
What Do You Think?

Communication Arts

1. speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)
What Do You Think?

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

All in the Family
Global Warming Begins at Home
How Much Space Do We Need?
Measuring a Million
On the Double
The Pop Ecology Files
Population Clock
Power of the Pyramids
The Stork and the Grim Reaper
Timber!
Transportation Tally
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

Everything Counts
How Much Space Do We Need?
Measuring a Million
The Stork and the Grim Reaper

3. data analysis, probability and statistics

All in the Family
Every Picture Tells a Story
Everything Counts
How Much Space Do We Need?
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The Pop Ecology Files
Timber!
What Do You Think?
A World of Difference
World Real Estate

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

All in the Family
Everything Counts
How Much Space Do We Need?
Measuring a Million
On the Double
The Pop Ecology Files
Population Clock
Power of the Pyramids
Timber!
World Real Estate

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

All in the Family
Everything Counts
Global Warming Begins at Home
How Much Space Do We Need?

Measuring a Million
On the Double
Population Clock
The Stork and the Grim Reaper
Timber!
Transportation Tally
A World of Difference

Science

3. characteristics and interactions of living organisms
 - All in the Family
 - Everything Counts
 - How Much Space Do We Need?
 - On the Double
 - The Pop Ecology Files
 - Timber!
 - A World of Difference

4. changes in ecosystems and interactions of organisms with their environments
 - Global Warming Begins at Home
 - The Pop Ecology Files
 - Timber!
 - Transportation Tally
 - What Do You Think?
 - A World of Difference

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

7. processes of scientific inquiry (such as formulating and testing hypotheses)
 - Everything Counts
 - Global Warming Begins at Home
 - How Much Space Do We Need?
 - The Pop Ecology Files
 - The Stork and the Grim Reaper
 - What Do You Think?
 - A World of Difference
 - World Real Estate

8. impact of science, technology and human activity on resources and the environment
 - Global Warming Begins at Home
 - How Much Space Do We Need?
 - The Pop Ecology Files
 - Timber!
 - Transportation Tally
 - What Do You Think?
 - A World of Difference

Social Studies

2. continuity and change in the history of Missouri, the United States and the world
 - Power of the Pyramids
 - World Real Estate

4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)
 - Timber!
 - Transportation Tally

5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment
 - How Much Space Do We Need?
 - Power of the Pyramids
 - A World of Difference
 - World Real Estate

6. relationships of the individual and groups to institutions and cultural traditions
 - Power of the Pyramids
 - What Do You Think?

7. the use of tools of social science inquiry (such as surveys, statistics, maps, documents)
 - Every Picture Tells a Story
 - Power of the Pyramids
 - What Do You Think?