



## I. OVERVIEW:

This project offers you an opportunity to conduct a statistical investigation about patterns in your life. You will work in a group to complete the following:

1. follow the scientific method to conduct a statistical investigation on People Patterns.
3. create a group poster which includes a statistical graph.
4. present information to the class.

## II. STANDARDS:

- Science 1; LA 5-6, 9-11; and Math 11, 13; C & L Skills 3; GLOs 1-5

## III. MATERIALS:

- Data collection form (developed by group).
- Poster board or 11x17 construction paper, assorted pens, glue, tape, colored paper.

## IV. STEPS:

*Use the questions on your Scientific Method chart to guide you through these steps:*

STEPS	NOTES	DATE DONE
Observe		
Question and Wonder		
Gather Background Information		
Create Hypothesis		
Test Hypothesis		
Analyze Your Findings		
Share Findings		

## V. CRITERIA & GRADING:

This project is worth 25 points. See below for your scoring breakdown.

CATEGORY	POSSIBLE # OF POINTS
A. Data Collection Form - Individual	5
B. Poster/Visual Display - Group	10
C. Oral Presentation - Group	10
D. Project Reflection - Individual	5
TOTAL	30

## VI. PEOPLE PATTERNS PROJECT RUBRIC

	MEETS CRITERIA	APPROACHING CRITERIA	DOES NOT MEET CRITERIA
Data Collection	<ul style="list-style-type: none"> <li>All required information submitted</li> <li>Data is accurate, detailed, and very understandable</li> </ul> 5	<ul style="list-style-type: none"> <li>Most required information submitted</li> <li>Data is accurate and somewhat understandable</li> </ul> 3-4	<ul style="list-style-type: none"> <li>Information not submitted</li> <li>Data is not accurate nor understandable</li> </ul> 0-2
Poster/Visual Display	<ul style="list-style-type: none"> <li>Neat, attractive and very well organized</li> <li>All content is accurate</li> <li>Content compliments and enhances oral presentation</li> <li>Includes all key information</li> </ul> 10	<ul style="list-style-type: none"> <li>Neat, attractive, and organized</li> <li>Most content is accurate</li> <li>Content compliments oral presentation</li> <li>Includes most key information</li> </ul> 7-8	<ul style="list-style-type: none"> <li>Not very neat, attractive, nor organized</li> <li>Some content is accurate</li> <li>Content appears a mismatch from oral presentation</li> <li>Missing key information</li> </ul> 0-6
Oral Presentation	<ul style="list-style-type: none"> <li>All group members were involved in presentation</li> <li>Information presented in a logical, sequential order which is very easy to follow</li> <li>Answers questions with explanation and elaboration</li> </ul> 10	<ul style="list-style-type: none"> <li>Most group members were involved in presentation</li> <li>Information presented is sometimes easy to follow</li> <li>Answers questions with explanation, but no elaboration</li> </ul> 7-8	<ul style="list-style-type: none"> <li>Only a few group members were involved in presentation</li> <li>Information presented is difficult to follow</li> <li>Answers questions in a rudimentary manner</li> </ul> 0-6
Reflection	<ul style="list-style-type: none"> <li>Very thoughtful</li> <li>Plusses and deltas for all categories</li> </ul> 5	<ul style="list-style-type: none"> <li>Somewhat thoughtful</li> <li>Plusses and deltas for most categories</li> </ul> 3-4	<ul style="list-style-type: none"> <li>Not very thoughtful</li> <li>Plusses and deltas for only a few categories</li> </ul> 0-2



Name \_\_\_\_\_ Date \_\_\_\_\_ Per: \_\_\_\_\_

## People Patterns Project Reflection

CATEGORY (see questions below)	PLUSSES (what was well done)	DELTAS - growth areas (what can be done better)
Group collaboration		
Data collection process		
Individual participation		
Poster		
Presentation		

Other comments: \_\_\_\_\_

### Questions to Guide Your Reflection:

CATEGORY	QUESTION	RATING		
		Very	Somewhat	Not Very
Group Collaboration	How <b>respectful</b> were we to each other?	3	2	1
	How <b>effective</b> was our group participation?	3	2	1
Data collection process	How <b>organized</b> was our data collection process?	3	2	1
	How <b>accurate</b> were these data?	3	2	1
Individual participation	How <b>positive</b> and <b>supportive</b> was I to others?	3	2	1
	How <b>effective</b> was I in carrying my load?	3	2	1
Poster	How <b>well</b> was the project rubric followed?	3	2	1
Presentation	How <b>well</b> was the project rubric followed?	3	2	1