# WHAT IS A TYPICAL MIDDLE SCHOOL STUDENT?
# 1st NINE WEEKS PROJECT

Is it possible to determine the characteristics of a typical middle school student?  Your project is to determine what those characteristics might be. The final project is due August 30, 2010.  Your final project can be in the form of a poster, PowerPoint Presentation, a movie (created using MovieMaker), or in a report/book format.  The final project is expected to be typed and saved to StuDrive U:// in the Clark folder for your class period.

| STEPS | DESCRIPTION |
|---|---|
| Posing Questions | The first step is to determine what to survey.  Some examples may include: number of items, physical characteristics, hobbies, preferences, or opinions, etc.  You must have 3 different questions.  At least one question must be categorical and one numerical.  You should also include a question that includes intervals. |
| Collecting Data | You must collect data from 20 people.  These can be students in your class or grade.  You must decide how to distribute and collect the survey.  For example, you can use the Collecting Data Handout sheet or develop a form that you can hand to students and they fill it out themselves. |
| Analyze Data | Once you collect the data, you need to organize and display your survey results into 3 frequency tables.  The results of each survey question should also be explained in at least a 4-5 sentence paragraph. |
| Interpreting the Results | Using the result from the analysis, the finished product should include a graph(s) that displays the information from the surveys. |

**Collecting Data**:  First, you will need to write your 3 questions on this page with your 4 multiple choice answers.  When collecting data on the next page, you will need to have the FIRST and LAST name of each student so that you make sure to survey 20 DIFFERENT students.

Question 1:

Question 2:

Question 3:

## Collecting Data Handout:

| Name | Question 1 | Question 2 | Question 3 |
|------|------------|------------|------------|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |
| 11. | | | |
| 12. | | | |
| 13. | | | |
| 14. | | | |
| 15. | | | |
| 16. | | | |
| 17. | | | |
| 18. | | | |
| 19. | | | |
| 20. | | | |

**Analyze Data:** From the Collecting Data Handout, you will need to create your 3 frequency tables. After you have completed your frequency tables, you will need to analyze your survey information. You will need to analyze each question. Each question should be summarized into at least 4-5 sentences.

**Interpreting the Results:** Now, you will need to create 3 graphs (one per question). You need to make sure that you choose an appropriate graph for each question. Make sure each graph has appropriate titles and labels. You should include at least one histogram.

# What is a Typical Middle School Student Rubric

| Scale | 20 points | 15 points | 10 points | 5 points | 0 points | Total |
|---|---|---|---|---|---|---|
| Questions | Had three questions: At least 1 categorical and numerical dealing with a typical middle school student | Had three questions but did not have at least 1 categorical and numerical question- Questions also did not relate to a middle school student | Had all three questions but did not relate at all to a typical middle school student | Had less than 3 questions | Did not have 3 questions | |
| Frequency Tables | Data is well organized, accurate, and easy to read in 3 frequency tables with appropriate headings | Data is accurate and easy to read in 3 frequency tables but with inappropriate headings | Data is organized, accurate, and easy to read in 2 frequency tables with appropriate headings | Data is organized, accurate, and easy to read in 1 frequency table with appropriate headings | Did not have any frequency tables | |
| Paragraphs | There are 3 paragraphs with at least 4-5 sentences with a detailed and clear explanation. | There are 3 paragraphs with at least 4-5 sentences but explanation does not summarize data. | There are only 2 paragraphs with at least 4-5 sentences. | There is only 1 paragraph with at least 4-5 sentences. | Did not have paragraphs. | |
| Graphs | There are 3 appropriately chosen graphs that fit the data well and are easy to interpret. | There are 3 graphs appropriately chosen but they are not correctly labeled and easy to interpret. | There are only 2 graphs. | There is only 1 graph. | There are no graphs. | |
| Project Design | The project contains name, class period, rubric, and is clearly represented in terms of design. | The project contains name, class period, rubric, and is represented in terms of design. | The project is not represented in terms of design but does not contain all of the needed information. | The project appears messy and does not contain all of the needed information. | The project does not contain all of the needed information and is not attractive in design. | |

Total: _____