

## Shop Assignment 5 – Survey

1. Choose **one** of the following topics to be approved for the survey:
  - Hours spent sleeping on weekends.
  - Hours spent watching television per week.
  - Hours spent on the Internet per week.
  - Hours spent playing video games (console or computer or both) per week.
  - Approximate number of times going to the movies in the past year.
  - Approximate number of videos rented in the past year.
  - Other (**MUST be approved before started**).
2. Once you have chosen your topic, survey **exactly 40** people. On lined notebook paper (which must be turned in with the project), indicate on the top line which topic you choose. Make two columns – one for the person's signature and one for their response. Have each person you survey **sign** their name and indicate their response. For example:

### Hours Spent Playing Console Video Games Per Week

#	<u>Name</u>	<u>Response</u>
1	<i>William Gates</i>	XBOX 14 hours/week

3. After you have collected your data, create a frequency chart to represent your data. Use appropriate intervals to show detail. Be sure to label your chart!
4. Create a bar or column graph to represent your data on a sheet of graph paper – use the entire paper for the graph. Be sure to use an appropriate scale and title the graph.
5. On a separate sheet of paper – calculate the mean, median, mode and range of the data.
6. Write a one paragraph conclusion about your finding. This should be done on lined paper or typed (preferred). Sentences should be well written, using complete sentences and proper grammar and punctuation.
7. Create a cover for your project. It can be simple or as fancy as you like.

**The final product should include:** a cover, the signature sheet(s), a frequency chart, a bar graph, a calculation sheet (for mean, median, mode and range), and a conclusion page.

- These should all be **stapled** together and ready to be handed in upon returning from shop.
- Use technology where appropriate (Microsoft Excel for bar graphs, etc.), if possible.

**GOOD LUCK and HAVE FUN!**