How to Analyze a Document: Infographic
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Description
This is an infographic containing statistics about shoes in the United Kingdom. Topics include the number of shoes purchased, comparison between gender, and how long shoes last on average.

Analyzing Data
Scientific investigations produce data that must be analyzed in order to derive meaning.

Analyzing data in a document involves looking at data, such as graphs, charts and statistics, and determining what it means and how it relates to your purpose.

Analysis skills include:
- Tabulation
- Graphical Interpretation
- Visualization
- Statistical Analysis.

EXAMPLE
In the pictogram above students will analyze the ratio of shoes purchased by men and women.

Making Logical Inferences
Making logical inferences requires the reader to draw conclusions from incomplete information. Many times the information is never clearly stated. Articles often include more information than is immediately obvious. They give you hints or clues that help you make a logical conclusion. It is your job when looking at a document to make logical inferences based on connections or patterns you see in the text.

EXAMPLE
Students will infer that the affects of making ecofriendly choices will be multiplied over the lifetime of the student.

Determining Relevance
When looking at a document students should look at the entire document to determine what information will aid in the purpose of their study. Some documents will have little to no relevance, whereas other documents will provide data to further develop knowledge of the study.

EXAMPLE
Students will determine whether sections of this infographic can be used as support in their study.

Asking Questions
Science typically begins with a question and seeks to develop answers to those questions. Many times the search for answers to these questions lead to additional questions on a document or topic.

Many forms of media can give minimal information as an overview for more complex topics. Students should be able to identify when more information is needed and know when to ask questions to guide them further in their research.

EXAMPLE
After reading the statistic about average life expectancy of a pair of tennis shoes students will ask questions about life expectancy of the two shoes being evaluated.

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Background Information
“Going Green” means to reduce waste put into the environment and focuses on using safer products for our future. As a consumer it is important to be knowledgeable about products, and to understand that you have options when purchasing. Every product that you buy has an environmental impact.

Source: http://www.newsilike.in/infographics/interesting-facts-about-shoes/