

# NEEDS ANALYSIS

## TO BEGIN WITH...

Why are you doing this needs analysis? (Explain why you are doing this?)

KEEP IN MIND AS YOU WORK (AND DESIGN) THIS CHART:

<b>Objective</b>	<b>Desired attributes of the product.</b> The product should <i>be</i> ... tall, fast, strong, yellow
<b>Goal</b>	<b>A goal is similar to an objective, but is typically more important. Several objectives might together constitute a goal.</b>
<b>Constraint</b>	<b>A limitation or restriction which must be obeyed.</b>
<b>Function</b>	<b>What the product should <i>do</i>.</b>
<b>Implementation</b>	<b>The method for actually achieving the operation of the product. Implementation is situation-specific.</b>

## UNDERSTANDING THE NEED

What is the problem? (In one sentence, describe what your are trying to solve.)

What do we want to accomplish?

What are the project requirements?

What are the limitations?

Who is the customer? (Be very specific!)

What is your overall goal?

## **NOW FOR THE RESEARCH**

**You will be taking notes on your problem as well as existing solutions.**

As you conduct your research, you **MUST** maintain your sources to verify your work. You are **NOT** an expert - your suggestions and opinions are **NOT** considered professional or expert in any way (sorry). So, you will be consulting the experts to prove your ideas and viewpoints on your design.

## **BRAINSTORMING**

**Now that you have your DECLARATION STATEMENT, expand and modify it.**

As research, be creative and modify your idea in at least **TEN DIFFERENT WAYS**. Be creative and brainstorm modifications for your idea (or come up with **TEN DIFFERENT IDEAS** - but be creative). **Determine how UNIQUE your idea is!**

**Always ask - *will this help mankind? How?***