

Template #2 Planning Ahead

The purpose of this template is to help you plan what you will be doing **prior** to actually performing the experiment.

Remember that you should consider four major aspects prior to beginning an experiment - the **variables**, **observations**, **materials**, and the **procedure**.

Use a rough **diagram** of your experiment to illustrate the **materials** and the procedure.

It is ir	mportant to define your variables as	s it allows you to ask good questions, r	nake
prediction	ctions, and design a meaningful exp pendent and dependent variables. rimenter may change. A dependent	periment. You need to indicate both the An independent variable is anything the variable is the effect that the independent, speed, volume, temperature, etc.	e nat the dent
Our \	Variable List:		
Our I	Materials List:		
•			

Write the **step-by-step instructions** that explain how you will conduct your experiment. Imagine you are telling someone else how they could do the experiment on their own without you there to tell them how. You must use **numbered steps**, **passive voice**, and **past tense** when describing the process.

Remember that scientists will only change **one independent variable** in order to be able to identify what causes change in the dependent variable.

Our Procedure:

measure and how you are going to re	eed to think carefully about what you are going to ecord your data. controlling (independent) and which ones you are
How are you going to measure the duse video, use photos, and/or use a landicate what you are going to record	
Our Observation Plan:	