

Meeting #5:

# YOU ARE FINALLY READY TO GET TO THE REALLY FUN PART - YOUR EXPERIMENT!

## How to Create a Data Table and Run your Experiment

DATA		
Trial	Brand X = number of chips in 3 cookies	Brand Y = number of chips in 3 cookies
1	14	16
2	16	17
3	17	18
4	23	16
5	8	14
total number	76	65
number per cookie	19.2	17.2

### What is a Data Table?

A data table is a **chart** where you **record the results** of your trials. A chart keeps your results organized and complete.

### How do I record the data?

Follow the example chart given in your science fair packet. Where it says "Independent" and "Dependent Variable" write in your information. As you conduct your experiment write down your results in the table in your journal. Or if the table we gave you doesn't fit your experiment you can create a new table in your journal. Later on you can type a data table for your display.

### How do I run my experiment?

- Follow your **Procedure** exactly each time
- Complete at least **3 trials** each time you change your independent variable so that your results show a trend or pattern
- Take pictures for your display (but no faces!)
- Measure and record your data in metrics

Besides your data table, you also need to record written observations of what you noticed during your experiment in your journal.

### Important!

Do a trial run to test how your experiment is going to work and make changes as needed to your procedure and materials before you do your final experiment.