

# HookED EXPERIMENTAL DESIGN TEMPLATE

## SEE: OBSERVE [Multistructural]

I saw \_\_\_\_\_

## THINK: ASK QUESTIONS ABOUT WHAT YOU OBSERVE [Relational]

When I change \_\_\_\_\_ what will happen to \_\_\_\_\_ ?

## WONDER: FORM A HYPOTHESIS BASED ON WHAT YOU SEE AND KNOW [Extended Abstract]

I wonder if \_\_\_\_\_

## IDENTIFY VARIABLES

### IDENTIFY THINGS I COULD CHANGE

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### IDENTIFY THINGS I COULD MEASURE OR OBSERVE CHANGING

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## CHOOSING VARIABLES

**I will change** (independent)

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**I will measure/observe** (dependent)

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**I will keep these the same** (controlled variables)

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## EQUIPMENT REQUIRED

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### METHOD

STEP ONE: \_\_\_\_\_

STEP TWO: \_\_\_\_\_

STEP THREE: \_\_\_\_\_

STEP FOUR: \_\_\_\_\_

### RESULTS

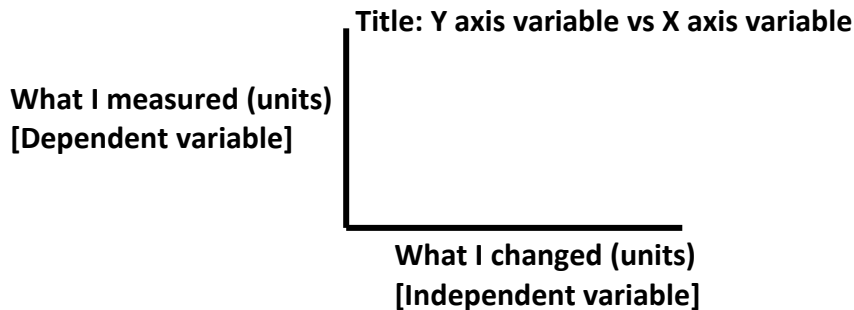
Record observations and data (use appropriate tables)

What did you observe ....

WHAT I CHANGED (units) [Independent variable]	WHAT I MEASURED (units) [Dependent variable]

### ANALYSIS OF RESULTS

Find patterns and trends from results (use appropriate graphs)



What happened to \_\_\_\_\_ (*what I measured – dependant variable*)  
when I changed \_\_\_\_\_? (*what I changed – independent variable*)

### EVALUATE THE RELIABILITY AND VALIDITY OF THE FINDINGS

Was the experiment a fair test?

Were my findings reliable?

Were my findings valid?

### CONCLUSION

Making sense of the patterns in the results

Describe, explain and justify the reliability and validity of the results

What do the results mean? Do I accept or reject the hypothesis?