

Experimental Design Report - Part 1
Design and Construction of the Experiment
Time: 20 minutes

Division C

Science Olympiad 2025 Season

School: _____

*Team Number: C*_____

Student: _____

Student: _____

Student: _____

Each team may bring in:

*1 linear measuring
device*

1 timing device

1 calculator of any kind

3 goggles

For Event Supervisor Use Only:

Students utilized lab equipment during experiment: YES NO

Notes: (Optional)

Blank sheet for event supervisor to insert prompt and any other necessary background information.

A Statement of Problem

B Hypothesis

C Variables

Independent Variable (IV)	Dependent Variable (DV)	Controlled Variables (CV)
		1.
		2.
		3.
		Constant
		1.

D Experimental Control (Standard of Comparison)

E Materials

F Procedure and Set-up Diagrams

	Before	During	After
Procedure			

	During	After
Results		

H Quantitative Data - Raw and Condensed Data Tables

Experimental Design Report - Part 2

Data, Analysis, and Conclusions
Time: 30 minutes

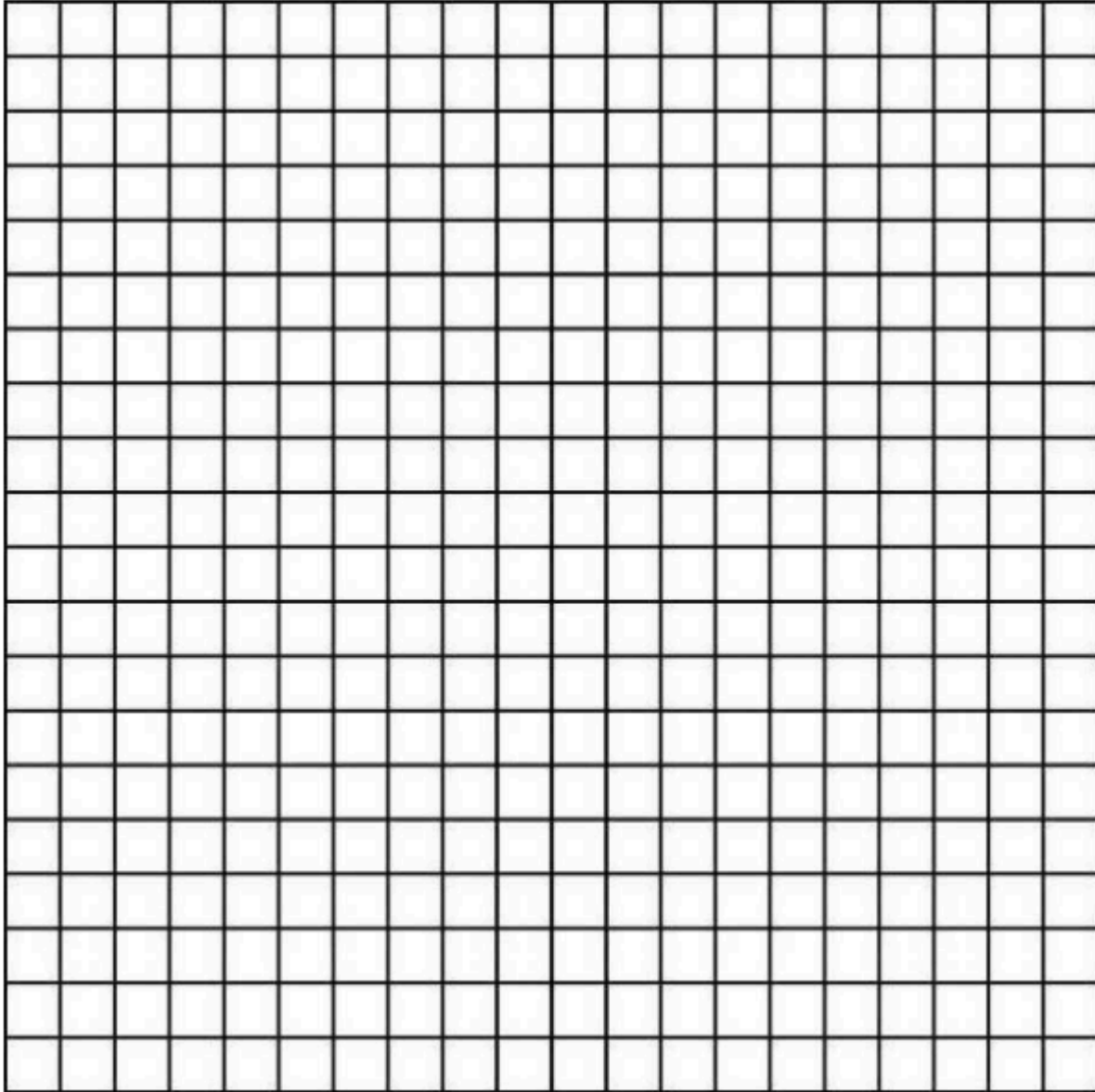
Division C

Science Olympiad 2025 Season

School: _____

Team Number: C _____

I Graph



J Statistics

K Analysis of Claim/Evidence/Reason

Variation	
CLAIM	
EVIDENCE	
REASONING	

Outliers	
CLAIM	
EVIDENCE	
REASONING	

DATA TREND	
CLAIM	
EVIDENCE	
REASONING	

M Possible Experimental Errors

	Specific Error Identified	Specific Error on Results
Error 1		
Error 2		

N Conclusion

Hypothesis Restated:	
Hypothesis is Evaluated	
Claim Accept or Reject the Hypothesis	
Evidence	
Reasoning	

O Applications and Recommendations for Further Use

P Abstract (State and Nationals Only)