

NEW HAVEN SCIENCE FAIR EVALUATION SHEET GRADES 5-12

___Self ___ Judge

1 Scientific Thought (30 Points)

Is it a good experiment?

1	Purpose of project and hypothesis clearly stated, identifies independent/dependent variables (cause and effect)	
2.	Experiment well designed (changes one variable at a time, constant variables, control group)	
3.	Procedure, including materials, explained and repeatable	
4.	Data gathered and organized into a table or graph	
5.	Conclusions supported by data, directly related to hypothesis and discuss validity	
6.	Discussion shows implications for future study	
SECTION ONE TOTAL		

2 Creativity/Skill (15 Points)

Is it a creative/skillful experiment?

1	Originality, uniqueness, use of materials	
2.	Measurements and data in data table and graph format, with appropriate mathematical analysis	
3.	Real world implications showing creative applications to everyday life.	
SECTION TWO TOTAL		

3 Display and Components (25 Points)

Is it presented well?

1	Parts are complete (abstract, display, lab notebook, research paper, self evaluation)	
2.	Lab notebook clearly lists dates and discusses pre experiment work and shows all experimental data	
3.	Display is well organized, neat, legible, and understandable	
4.	Discusses outside research, with appropriate bibliography	
5.	Experiment procedure clear and understandable, has good visuals: drawings and photos	
SECTION THREE TOTAL		

4 Student Oral Presentation (30 Points)

Is it explained well?

1	Project within student's level of understanding, appropriate level of difficulty	
2.	Student understands science of project, can provide logical solutions to "what if" questions related to project	
3.	Student can explain why it is a valid experiment, explain conclusions in relationship to independent and dependent variables	
4.	Student has logical order and structure to oral presentation	
5.	Student can explain research behind project, originality of idea and experiment	
6.	Student can explain importance, connections to real life, and implications for society	
SECTION FOUR TOTAL		

* Please assign a value from 1 (lowest) to 5 (highest) for each item **GRAND TOTAL** ()

Name of Project: _____

Name of Student(s): _____

School _____ Name of Teacher: _____

Display #: _____ Judge Name: _____ Mentor Name: _____