

Ed Fest Science Rubric – Invention

Student Name _____ School _____ Grade _____

Invent a tool, device, gadget, machine, etc., that would be helpful at home, work, school or during leisure time. Be prepared to demonstrate how this invention functions. (Bibliography may vary in length depending on research done.)

Invention	5	4	3	2	1
Plan #2 & #4	Well-written plan is neatly typed and includes a diagram, list of supplies, and measurements. Properly formatted bibliography with multiple sources.	Written plan is neat and includes a diagram, list of supplies and measurements. Properly formatted bibliography with multiple sources.	Written plan includes a diagram, list of supplies, and measurements. Contains a bibliography.	Written plan contains at least two of the following: diagram, list of supplies, or measurements. Contains marginal bibliography.	Written plan contains at least one of the following: diagram, list of supplies, or measurements. Contains no bibliography.
Construction #1	Great care taken in process so that the invention is neat, attractive, useful and functions well under use	Care taken in process so that the invention is neat, attractive, useful and functions well under use	Invention is neat, attractive, useful and functions	Invention is useful and functions	Invention does not function
Data Collection #2	Neatly written or typed journal provides a complete record in planning, construction, testing, and/or modifications taken over time in a careful, reliable manner	Neatly written journal provides a complete record in planning, construction, testing, and/or modifications taken over time	Journal provides a complete record in planning, construction, testing and/or modifications	Journal provides a record of at least three of the following: planning, construction, testing, and/or modifications	Journal provides a record of at least two of the following: planning, construction, testing, and/or modifications
Presentation #1 & #3	The display contains all required elements, is clearly written and labeled, contains no spelling or grammatical mistakes, and is in the student's own words	The display contains all required elements, is clearly written and labeled, contains some spelling or grammatical mistakes, and is almost all the student's own words	The display contains most required elements, is labeled, but contains some spelling or grammatical mistakes, and is almost all the student's own words	The display contains some elements, is labeled, but contains spelling or grammatical mistakes, and is written using some of the student's own words	The display contains some elements and contains noticeable spelling and grammatical errors and contains little in the student's own words