

Fire Science Project Grade Sheet

_____Computer Project

_____Experiment

COMPUTER PROJECT

Organization/Structure (10 pts)

Introduction, hypothesis, statement of conditions, schematics (dimensioned), results, conclusions, references_____

Novelty of Scenario (10 pts)

Used supporting policy information, statistics, & references to motivate scenario_____

Complexity of Computer Analysis (20 pts)

Went beyond simple computer code example cases_____

Computational Conditions and Tools (Content) (30 pts)

Explored multiple conditions; Analyzed broader implications; For example: thermal effects discussed/shown (heat flux, temperatures, etc.), smoke layer heights discussed/shown, toxic gases discussed/shown, humidity effects of burning, etc. Provided sufficient detail for others to reproduce work_____

Engineering Analysis/Insights (20 pts)

Analyzed and discussed inconsistencies in results; Performed and discussed sanity checks on unusual results; Used supporting technical information & references to make arguments_____

Formatting & Grammar (10 pts)

(Figure captions legible, clear figures, no typos, grammatically correct) _____

EXPERIMENT

Organization/Structure (10 pts)

Introduction, hypothesis, statement of conditions, schematics (dimensioned), results, conclusions, references _____

Novelty of Scenario (10 pts)

Used supporting policy information, statistics, & references to motivate scenario _____

Complexity of Experimental Test (20 pts)

Designed experimental scenario and acquired appropriate tools for project_____

Experimental Conditions and Tools (Content) (30 pts)

Had appropriate conditions and controls to test hypothesis. Explored multiple expt conditions. Provided sufficient detail for others to reproduce work_____

Engineering Analysis/Insights (20 pts)

Analyzed and discussed inconsistencies in results; Performed and discussed sanity checks on unusual results; Used supporting technical information & references to make arguments _____

Formatting & Grammar (10 pts)

(Figure captions legible, clear figures, no typos, grammatically correct) _____