

Solar Oven Challenge Point Sheet and Rubric

Bakery Team Name: _____

Team Colors: _____

Part I: Oven Assembly, Design & Performance

Oven is decorated team colors & named _____ / 10 points

Deductions: incomplete / messy / other

Oven is assembled & works _____ / 15 points

Deductions: incomplete / non operational / other

Points for Part I: _____ / 25

Part II: Solar Technology Static Display Board

Creativity, Neatness, Overall Presentation and Color _____ / 15 points

Deductions: too much white / messy / handwritten / unoriginal

Panel I Contain General Information _____ / 10 points

Team Name in BIG, BLOCK letters 4 points

Team Members Names 2 points

Team Colors 2 points

School/Teacher/Hour you have Science 2 points

Panel II Contains Pictures and Captions Showing _____ / 25 points

Construction of the Oven 5 points

Operation of the Oven 5 points

Food before, during and after Cooking 10 points

Captions are provided 5 points

Deductions: spelling / grammar / punctuation

Panel III Contains Functional Diagram & Explanation

Student-created labeled diagram 10 points _____ / 10 points

Deductions: no labels / messy

Explains (1) How solar ovens work; (2) How the design allows for the sun's visible light energy to be collected; and (3) What aspects of the design you would change to make the oven cook faster or hotter 15 points _____ / 15 points

Deductions: not in group's own words / incomplete explanation

Points for Part II: _____ / 75

$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}} / 100$ <p>(Part I Points) (Part II Points)</p>
