

SOLAR POWERED HOTDOG COOKERS



Student teams in the junior class Fluid and Thermal Operations get to practice what they learn in class by designing, building, and testing solar powered hotdog cookers.

This event started in 2000. This year each team was tasked to demonstrate a particular mechanism in radiation heat transfer by cooking two hotdogs one with and one without the mechanism, or by comparing cooking times between two designs.



Team Alpha – Greenhouse effect
Nick Connelly, Nick Hamilton, Obinna Muoh, Regina Tedrick



Team Bravo – Black surface adsorption of heat
Joe Dobson, Matthew Henley, Anthony Perna





Team Delta – Incident Angle
Kevin Flowers, Ethan Hoffman, Randy Rhodes, Adam Sinick



Team Echo – Black box vs White Box
Kristen Dudak, Jon Golob, Andrew Lash, Justin Wolfe



Team Foxtrot – Reflective surface vs non-reflective surface
Dan Rufener, Derek Ho, Ben Maeige, Jason Gordon



Team Gulf – Effect of Collection Area
Ryan Haemmerle, Jeffrey Milhoan, Justin Sadler