IPRO 325A: Developing Affordable and Sustainable Energy Solutions for the World's Rural Poor

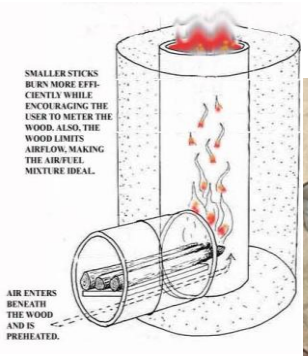
PROBLEM:

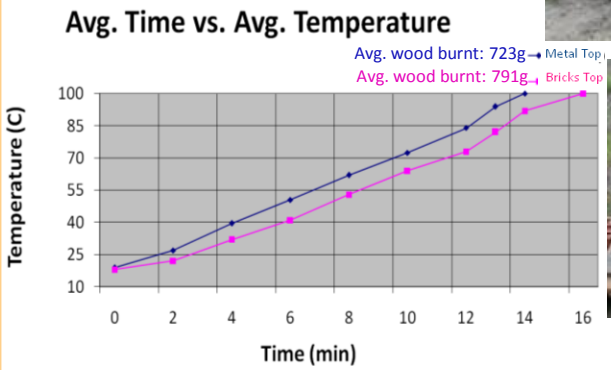
Many of the world's rural poor do not have access to commercial stoves. One of the most common method is the open fire. It is unsafe for children and creates large volumes of smoke. Smoke inhalation can have very detrimental health effects.

OBJECTIVE:

To develop and to provide low-cost solutions addressing the problem of cooking stove efficiency, effectiveness and durability for the world's rural poor

Barrel-Rocket Stove





Research	Design	Construction	Testing	IPRO Day	Field-test
08-22-08	09-10-08	9-18-08	10-3-08	12-05-08	1-05-09

CONCLUSION:

Affordability: use locally available materials.
Safety: trap the smoke and contain the fire.
Durability: bricks don't rust or burn through.

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