


HARNESSING THE SUN TO COOK — AND COOL — IN AFRICA

Physics professors Nathan Heston and Pete Schwartz teamed up with construction engineering professors Paul Redden and Lonny Simonian to take 11 students to the small village of Agbokpa in Ghana, Africa. Together with the local people, students built solar-powered cookers, a water pump and a refrigeration system.



(clockwise from top left) 1. Professor Paul Redden and students pose in front of the water purification tower they are building. 2. Women in the market unpack farm produce to sell. 3. Completed water purification tower and ice production facility for storing fish to sell at market. 4. Group rest day spent hiking the cliffs above Lake Volta. 5. Traveling across the lake by boat after purchasing supplies. 6. Monitoring the performance of a newly designed insulated solar electric cooker in the village. Photos courtesy of participants.

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