

A Mars Wind Tunnel Lab Setup



Starting materials – a clothes box and a fan



Ready to go



wind tunnel before operation



Forming a crater to erode



Sketching & recording results

• Integrated into an introductory Planetary Science course that is meant for Frosh or Sophomores with no college-level science background, the simplicity of the wind tunnel setup and its easily interpreted results make a strong impression on students. The wind tunnel displays the formation, shape, structure, and development of sand dunes and other aeolian features in desert environments such as those occurring in Death Valley, or on Mars. The result is a good understanding of the similarity of Geological processes over diverse environments.

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