The Hotdog Solar Challenge.

Your task is to design and build a passive solar device that will cook 1 hotdog in 1 exam period. You may not purchase any new materials but can scrounge materials from home etc.

Your device must have a pencil sized hole into the cooking chamber so a thermometer can be inserted into it. The winner will be determined by inserting a meat thermometer into the centre of the hotdog at the end of the cooking time. The group that heats the hotdog to the highest temperature will be deemed the winners.

You will be provided with a 30 minute planning period. Your blueprints must be submitted at the end of that time. Your blue print must identify what materials will be used for the following components of your cooker:

Aperture Absorber

Thermal Mass Control

You will be provided with 1 class period to build your cooker.

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