

Name

Class

## YOUR TASK:

Design and make a model of an improved cook stove and/or smoke hood.

**Who are you designing for?**

## DESIGN CRITERIA:

What are the main four design criteria your product will include?

**It will:**

- 1.
- 2.
- 3.
- 4.

Why have you chosen these design criteria?

### **EVALUATE COOK STOVES AND HOODS**

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Do your own research on the internet to find a range of photographs of cook stoves and hoods and/or use the images in this Flickr set [flickr.com/photos/practicalaction/sets/72157675104485235](https://www.flickr.com/photos/practicalaction/sets/72157675104485235).

Stick them on to the page(s) below and label any features that you think might be good design features to help you meet your design criteria.

Name

Class

### DESIGN IDEAS

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Sketch a range of ideas for your cook stove and/or hood.

Annotate your ideas with comments about design features.

Name

Class

**FINAL IDEA**

Sketch your final design idea. Annotate your work with how your design meets your design criteria.

**EVALUATION WEB**

1. Write your design criteria in the boxes around the edge of the web.
2. Discuss how well your cook stove and/or hood performed against each criteria and give it a score of 0-5 (0 is poor and 5 is excellent). Mark your score on the web with an x for each criteria including a final overall score. When completed, draw a line to join up the x's.
3. What pleased you most about your cook stove and hood?
4. What would you change if you designed and made it again?

The diagram features a central target with five radial lines extending to the corners. The target has five concentric circles labeled 0, 1, 2, 3, 4, and 5 from the center outwards. Five orange rounded rectangular boxes are positioned around the target, each connected to a radial line. The boxes are intended for writing design criteria and scores.