



Teaching Resource Sheet Home 2

KITCHEN DESIGN

FOR AGES 6 - 13 years



RESOURCES NEEDED

Computer, SPEX with the Home Environment, paper, printer, photocopied worksheets 2a & 2b, kitchen and tile catalogues, paint sample cards, wall paper, carpet and fabric samples, home decor magazines.

PREPARATION

The class is working for Kool Kitchens & Co, kitchen designers. They have a brief to design a new kitchen for Ken & Katy Krumb, who have three children. Worksheet 2a gives details of the specification.



Get the class to discuss the different ways in which a kitchen might be used - for food preparation, for eating, for washing, for doing homework, or just sitting.

Explain that interior designers often use Computer Aided Design in their work to help them imagine how things would look inside a room if they were changed, without having to actually change the room. For instance, how would the room look with yellow walls and a blue carpet? The computer can also work out the costs.

WHAT TO DO

On the computer the pupils enter the dimensions of the room in the Spex startup window. In the planning window they select and place windows and doors, and furniture and other items to go in the kitchen. They use the budget window so they can see how much money is left to spend, and choose a colour scheme.



When pupils are ready they should print out a 3D view and a plan view of the room. They can print out the spreadsheet to see how much the kitchen has cost.

EXTENSION WORK

Materials - what materials are best for making floors? Collect some tiles, carpet, lino, cork, concrete wood and others.

Investigate how different materials perform in a fair test to withstand:



- a. spills (milk, orange juice),
 - b. stains (tea, blackcurrant juice)
 - c. heat
 - d. scratches (use a nail)
 - e. wear (use sandpaper or a hammer).
-



NAME.....
Worksheet 2a

**KOOL KITCHENS
& Co**

Kitchen for Ken & Katy Krumb

SPECIFICATION

The size of the kitchen is to be: WIDTH 5 metres
LENGTH 6 metres

Fittings



There needs to be:

1. A door in the north wall.
2. There must be enough electricity sockets in the kitchen.

Furniture



NB the family (2 adults and 3 children) will eat their meals in the kitchen. They need a microwave oven, a washing machine and a cooker, kitchen units and other furniture.

Colour Scheme

You should decide on the colour scheme.

WHAT TO DO

Make a list of the various jobs that people do in the kitchen eg cooking, washing up.

Katy Krumb has injured her ankle and cannot walk far. When you design the kitchen, make sure that things are placed conveniently so she will not get tired when working in the kitchen.



1. Design the kitchen using Spex. Include all items needed in the kitchen such as units, a cooker etc.

Tick when
task is done



2. Save the design.

3. Print a 3D view and a plan view of the kitchen.



4. Print the spreadsheet to show the cost of the kitchen.





NAME.....

Worksheet 2b

KOOL KITCHENS & Co

Kitchen for Ken & Katy Krumb

On the printouts of the plan and the 3D view of the room;

1. Mark the measurements of the room.
2. Mark which wall is North, South, East and West.
3. Label all the items in the kitchen.



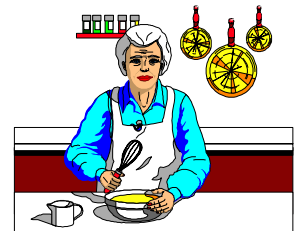
What do you like best about your design?

How would you make your kitchen even better?
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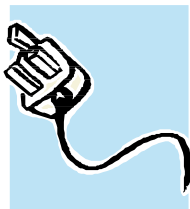


Think of 5 different jobs people do in the kitchen:

- 1.....
- 2.....
- 3.....
- 4.....
- 5.....



List 4 kitchen items which use electricity



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