

S2- Block 2 Physics

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Issue homework

- HEAT title Page



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The *five* rules of the Physics Department are for pupils follow to ensure a *pleasant* and *safe environment*.

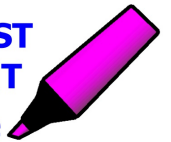
1. Follow the teacher's instructions.
2. Raise your hand, and wait for permission before speaking.
3. Allow people to get on with their work.
4. Follow the laboratory rules
5. No Put Downs

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ROUTINES TO FOLLOW WHILST IN THE PHYSICS DEPARTMENT

In addition to the core rules the following routines are expected of pupils during their time in this department.

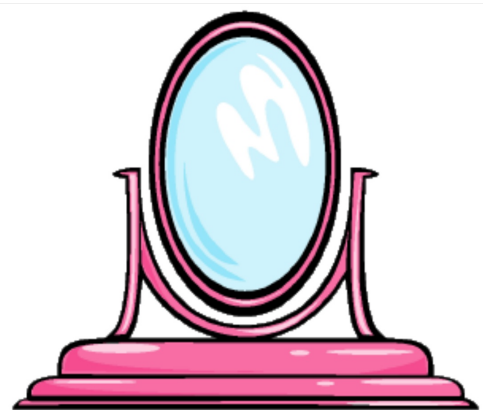
Pupils should:



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1. Enter the room quietly, calmly and on time;
2. Come prepared for the work with jotters and pen or pencil etc.
3. Complete all homework and hand it in on time;
4. Not deface jotters, desks folders, etc.;
5. Pay attention;
6. At the end of a lesson, *when told to do so*, pack away quietly, place stools under the desk and leave in an orderly manner.

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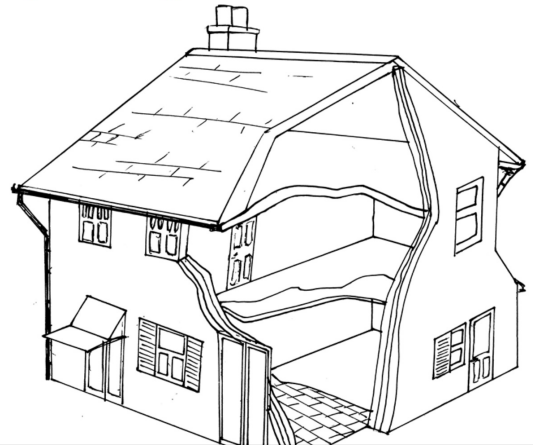
This person is responsible
for your learning

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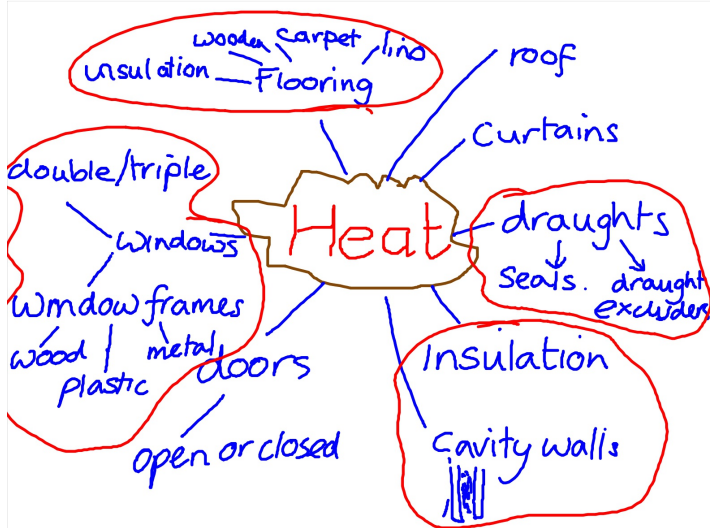


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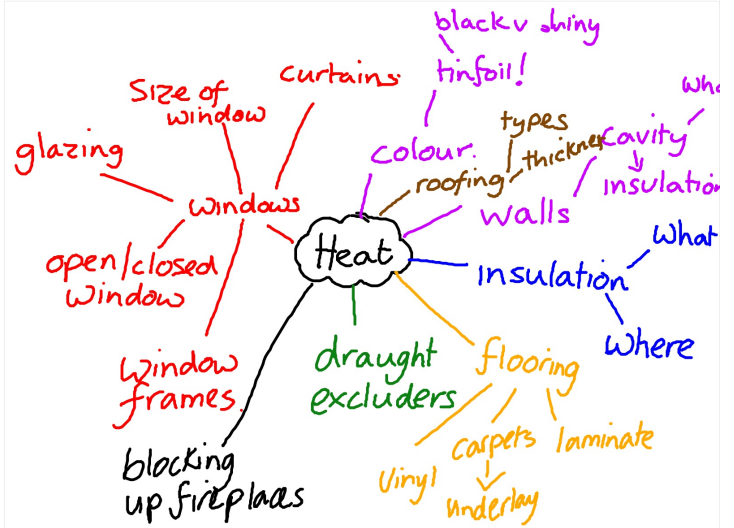
Record all the ways that the house can be adapted to reduce energy transfer from the inside to the outside and reduce the fuel bills by making it more energy efficient



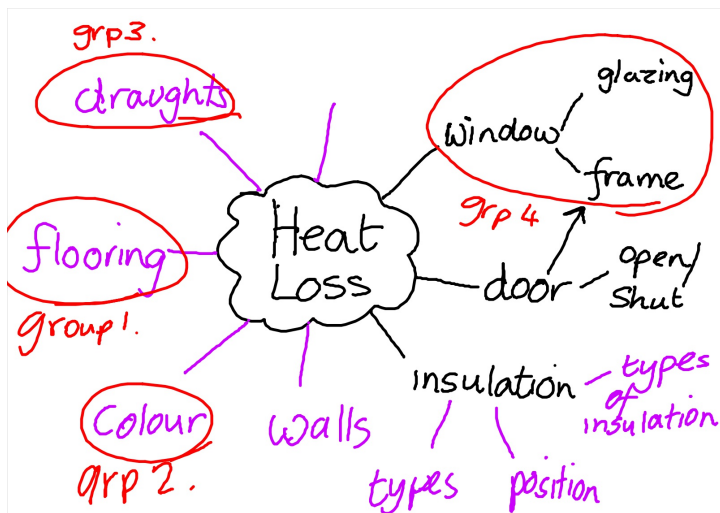
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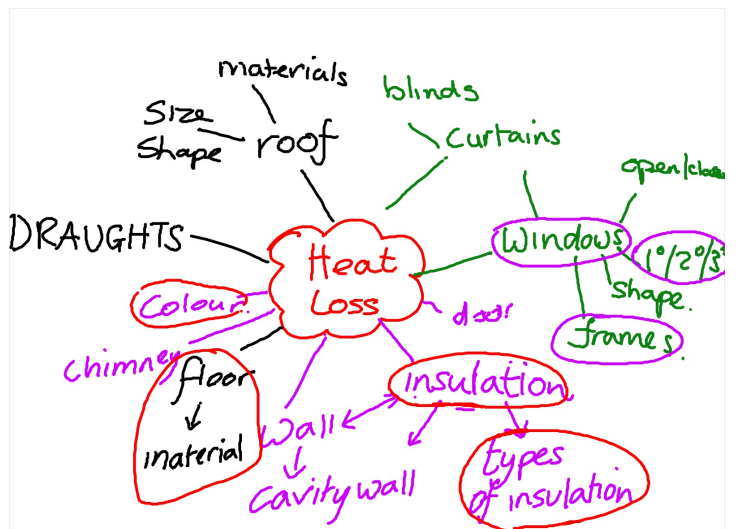
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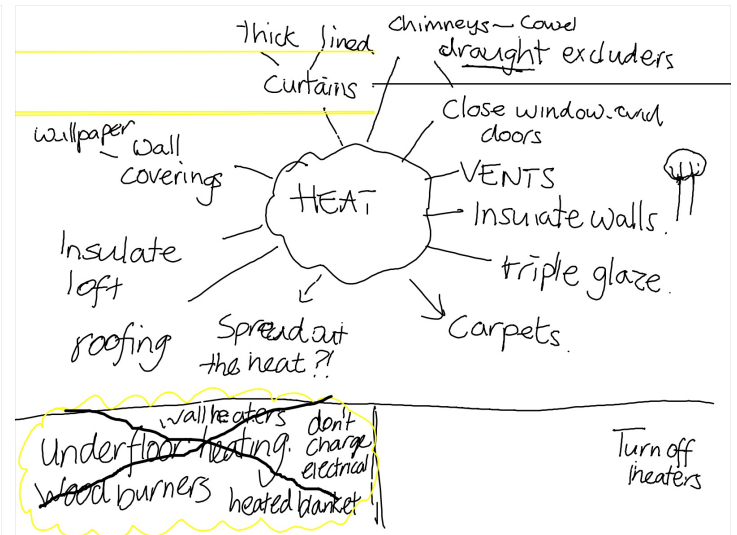
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My experiment is

insulation
draughts
roofing
windows
flooring

HEAT LOSS FROM HOUSES

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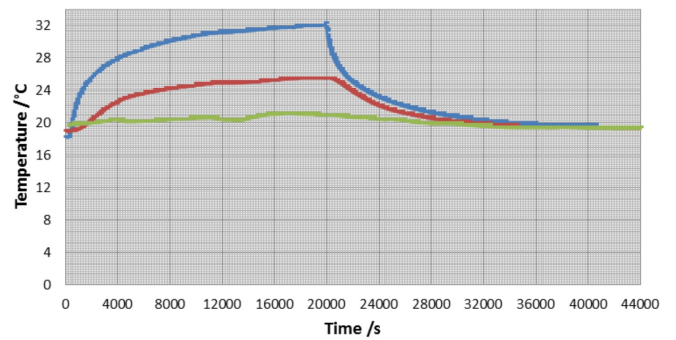
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Let's find out!

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Initial Dolls' House Results



These are a set of results from the Doll's House. What happens at 20 000 s and what happens at 33,000s? State how the graph would be different if the house was well insulated? Why is the upstairs at a higher temperature? Try to describe the Physics behind each of the graphs.

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