



# Making Mini Greenhouses



Learning Objective:

To design a mini greenhouse

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Today, you are going to design a mini greenhouse. You need to take into consideration all that you have learnt about the stability of structures, and the most suitable materials with which to build them.

In groups, use the questions on the Discussion Cards to share opinions and generate ideas about what the best design for a mini greenhouse should include, and how.

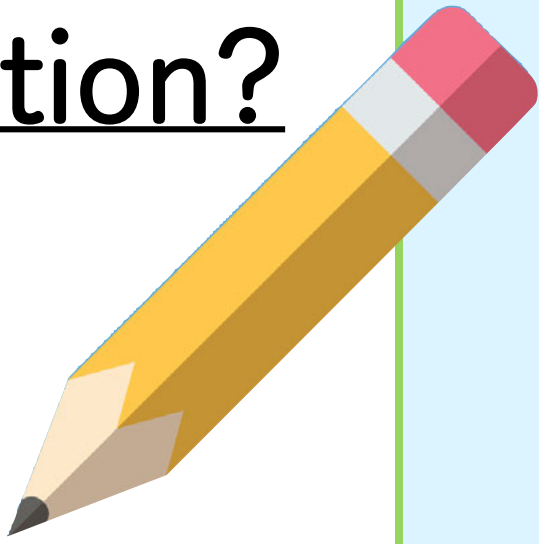
Be ready to share your ideas with the rest of the class!

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What 3D shape will be the best for a mini greenhouse and why?

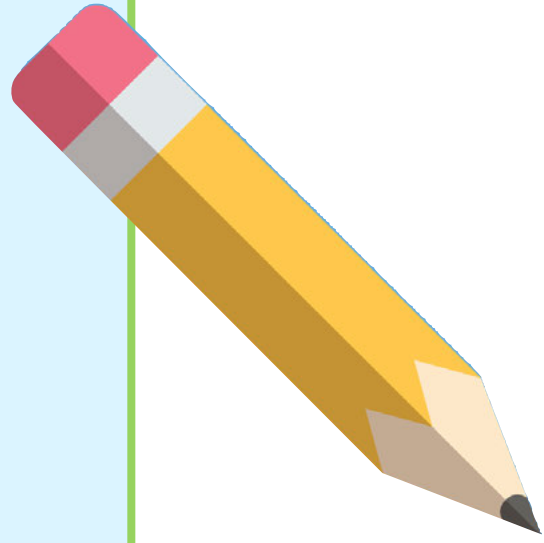
What ideas did you generate as a group for this question?



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What ideas did you generate as a group for this question?



How  
could you make  
the structure  
stable?



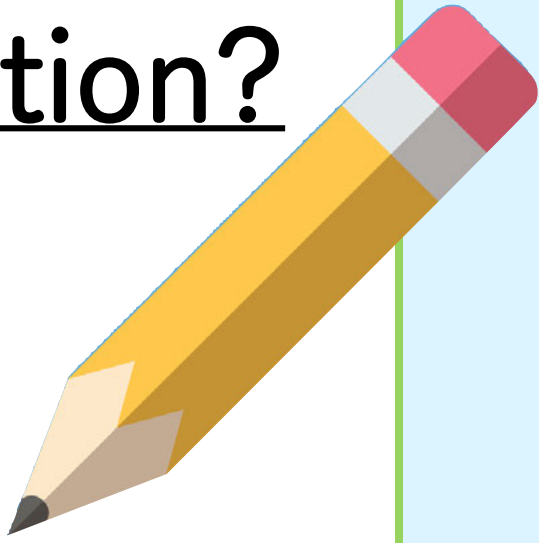
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What materials do you think are the most suitable for each part and why?

What ideas did you generate as a group for this question?



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What ideas did you generate as a group for this question?



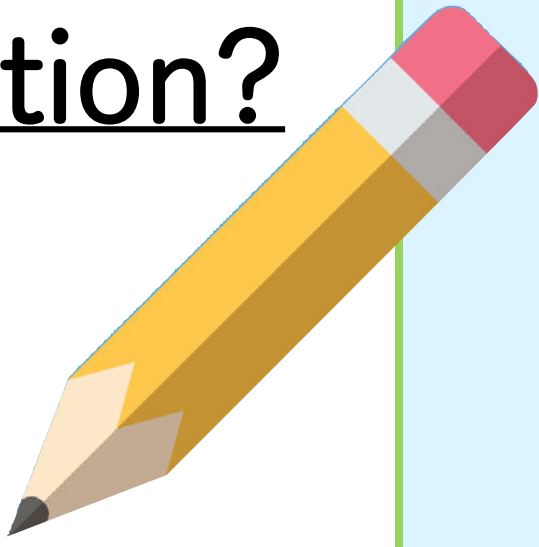
How could you join the different materials to create an airtight seal?



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What ideas did you generate as a group for this question?



How could the plants be accessed for watering?



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What ideas did you generate as a group for this question?



How could the mini greenhouse be ventilated in hot weather?



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# It is now time to design your mini greenhouse!

Make sure that you take into consideration all of the different ideas that you discussed as a group and class.

You will each be given specific **design criteria** – these are goals that you need to work towards including in your design so that your product is successful!



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# Plenary:

Do you have a **DESIGN DILEMMA?!**

Is there part of your design that you are unsure about, or you think might be tricky to make?



Share your dilemmas with the rest of the class, and see if you can come up with a solution together!

