

Kids whose houses do not have electronic keypad entry must carry a key to get into their house after school. Sometimes they lose this key and can't get into their house.

1. What is the problem you are trying to solve?
2. Write your task in the form of a question. In other words, what question are you trying to answer? (Hint: It will probably start out as, “How can we design ...”)
3. What are the constraints your team faces for the task?
4. What has already been done to try to solve it?
5. Use the space below to create a sketch of your plan. Include as much detail as possible. Use drawing or sketching paper if needed to give yourself more room.

Drawing	

Final Plan Drawing	

7. What improvements would you make so that your idea could work even better?

[illegible]