

Fire-EdUp Identify Constraints - Mind Maps



Clearly identify the constraints of the Fire-Ed Up challenge

In the last mission you produced a design brief which provided the scope for your project. You now need to identify any imposed constraints that are set from the initial scenario. Additionally the team needs set the self-imposed constraints to narrow the overall scope so the project is achievable. We are going to use a mind map in order to identify the constraints.

A mind map is a visual representation used to organise and structure information, branching out hierarchically from a central concept through related ideas, often using colours, symbols, and keywords to aid understanding and recall.



Activity: Create a mind map to brainstorm different constraints on your project. Add ones that are imposed by the scenario (e.g. deadlines) and those that you impose on yourself (size). Create a mind map from a single sheet of plain paper, use a template link on page 2 or use a free online tool such as [Mindmup](#).

Using Mind Maps to Determine Constraints for the Fire-Ed Up Design Sprint

Mind maps are a fantastic tool for visually organising your thoughts and identifying constraints. Follow these instructions to harness the power of mind mapping for the Fire-Ed Up Design Sprint:

1. Central Theme:

- Start by writing "Fire-Ed Up Constraints" in the centre of a large piece of paper or digital canvas.
- Circle this central theme as it's the heart of your mind map.

2. Branch Out:

- From the central theme, draw lines outward representing primary categories of potential constraints, such as "Resources," "Time," "Technology," "Stakeholders," and "Environment."

3. Dive Deeper:

- Extend from each primary category with sub-categories or specific constraints.
- For example, from "Time," you might branch out to "Duration of Sprint," "Student Availability," and "Feedback Timeline."

4. Use Keywords:

- Be concise. Rather than writing full sentences, use impactful keywords or short phrases.

5. Add Images or Icons:

- Visual cues can be helpful. Add small sketches or icons next to your keywords if you find them beneficial.

6. Reflect and Adjust:

- As the Fire-Ed Up program progresses, revisit your mind map. Adjust and add to it as new constraints emerge or old ones are resolved.

Remember, the purpose of this exercise is to pre-emptively identify challenges, so you're better prepared to navigate them during the design sprint. Embrace the visual nature of mind mapping and the collaborative brainstorming process to ensure the Fire-Ed Up program is a success!

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