

Lesson 4: Incredible Ideas



Overview

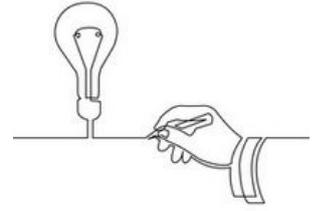
By the end of the lesson, pupils should be able to:

- Overcome challenges in idea generation
- Understand the importance of natural idea generation
- Show an awareness to fixation
- Understand how to develop multiple ideas.

Class Length: 40 minutes

Year Groups: All ages

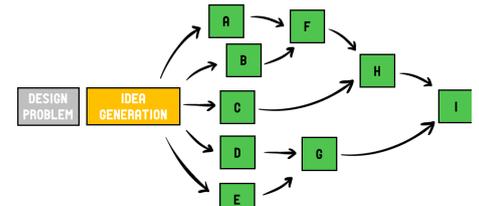
Resources: Computer, projector, printed handouts, pencils, ear buds.



Lesson Structure

1. Challenges in Idea Generation

- Many methods, but some too specific, or too broad?
- Ideal situation in idea generation
- The importance of generating multiple ideas.



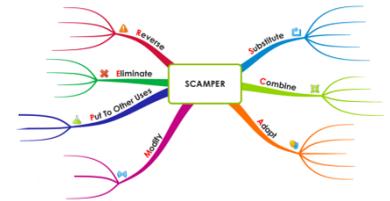
2. Fixation

- What is fixation?
- Limiting nature of fixation
- Ways to overcome fixation



3. Idea Generation

- Break the problem into parts; analysis
- Brainstorm ideas from your head; natural idea generation
- Strive for more ideas using SCAMPER



Lesson Activities

Activity 1

To overcome fixation, and work toward generating multiple ideas, break the problem into parts.

Create a mind-map for each keyword in the problem statement.

Activity 2

It is important to capture the ideas you have in your head, before you look for inspiration elsewhere. Otherwise you may fixate on existing ideas, rather than your own ideas.

So using brainstorming, capture your natural ideas, from your head.

Activity 3

We all find it difficult to think of multiple ideas. SCAMPER will help students push their thinking further using simple prompts (SCAMPER).

Lesson Notes

