ONE PAGE SUMMARY

Kids Learning › STEM Learning › Design Thinking

What is Design Thinking

Design Thinking: A Creative Approach to Problem Solving!

DEFINITION

> Design Thinking is a way to solve problems by understanding people's needs and creating innovative solutions. It encourages creativity and teamwork.

KEY CONCEPTS

Empathy

Understanding the feelings and needs of users to create better solutions.

Define

Clearly stating the problem you want to solve based on user insights.

Ideate

Generating a wide range of ideas and solutions without judgment.

Prototype

Creating simple models of your ideas to test and improve them.

Test

Trying out your prototypes with users to gather feedback and make improvements.

EXAMPLES

→ Designing a new playground based on kids' preferences.

→ Creating a better lunchbox that keeps food fresh and is easy to carry.

→ Developing a mobile app that helps students organize their homework.

MEMORY TIPS

★ Remember 'EDIPT' for Empathy, Define, Ideate, Prototype, Test.

★ Think of design as 'Dare to Imagine New Solutions'.

★ Use visuals like mind maps to connect ideas during brainstorming.

COMMON MISTAKES

✗ Skipping the empathy phase and jumping straight to solutions.

✗ Not involving users in the testing process.

✗ Focusing too much on one idea instead of exploring multiple options.

QUICK RECAP

Design Thinking is a creative problem-solving process that emphasizes empathy and user feedback. Remember the steps: Empathy, Define, Ideate, Prototype, and Test to effectively tackle challenges.