

Class 9 - Skill Education

Kaushal Vikas

Work with Machines and Materials-Additional Vocations

CBSE NOTES

Work with Machines and Materials-Additional Vocations - Revision Guide

Revise faster with structured summaries, key points, and important ideas.



Personal AI Tutor for CBSE Classes 6-12 & NCERT Help

edzy is a personal AI tutor for CBSE and State Board students, with curriculum-aligned guidance, practice, revision, and study plans that adapt to each learner.

1. Understand Sheet Metal Work.

Shaping thin metal sheets through processes like cutting, bending, and joining.

2. Define Forming in metalwork.

Forming shapes metal without cutting; crucial for creating desired forms.

3. Identify key tools in sheet metal work.

Tools include tin shears, hammers, files, and measuring tapes critical for precision.

4. Importance of Prototyping.

Create cardboard models to understand design before actual production for accuracy.

5. Factors for Safe Metal Handling.

Wear gloves and goggles; always maintain focus to avoid injuries with sharp edges.

6. Key plumbing concepts.

Understand valve types, joints, and flow principles crucial for effective plumbing.



7. Quality parameters in plumbing.

Ensure dimensions, strong joints, and smooth water flow for functionality and safety.

8. Use of PVC and GI pipes.

PVC is lightweight; GI is robust; both essential for water transport in plumbing.

9. Food Processing Terminology.

Know terms like raw material, processing, and preservation critical for food industry.

10. Essential tools for food processing.

Knives, bowls, and stoves play important roles in preparing food safely and hygienically.

11. Quality in food processing.

Freshness and hygiene are critical; ensure raw materials are handled in clean environments.

12. Furniture making key steps.

Involves scoping, sketching, and crafting; creativity is paired with practical skills.



13. Pottery basics: Wedging.

Knead clay to remove air bubbles; essential for creating strong, uniform pottery shapes.

14. Firing process in pottery.

Heating clay makes it hard and durable; crucial for strengthening final products.

15. Rivet usage in metalwork.

Rivets are used to join sheets; ensure proper technique for strong connections.

16. Understanding Burrs.

Unwanted edges after cutting; need to be smoothed for safety and quality.

17. Select the right gauge.

Thicker gauges offer more strength; important in material selection for projects.

18. Prototype Importance in Furniture.

Using models helps visualize and test joints and dimensions before final building.



19. Safety in Food Preparation.

Use clean utensils and wash hands to prevent contamination when processing food.

20. Plan for Plumbing Tasks.

Outline steps and prepare tools beforehand for efficient and safe plumbing work.

21. Essential Safety Gear.

Always wear gloves, goggles, and aprons in workshop settings to minimize injury risk.



Study smart, not hard - with Edzy!

For Students

- Practice past papers to get exam-ready
- Study with a timer to stay focused
- Revise regularly to build long-term memory

For Teachers

- Use Edzy to share quizzes instantly with students
- Save time with ready-made teaching aids
- Simplify test prep with structured resources

Before You Sleep:

Quickly review important notes - it helps memory consolidation.

Download Edzy App

Discover why we're called India's largest learning platform.



Personal AI Tutor for CBSE Classes 6-12 & NCERT Help

edzy is a personal AI tutor for CBSE and State Board students, with curriculum-aligned guidance, practice, revision, and study plans that adapt to each learner.