

**BASIC TECHNOLOGY**

**JUNIOR SECONDARY SCHOOL (JSS 2)**

**FIRST TERM**

<b>WEEK</b>	<b>TOPICS/CONTENTS</b>
<b>1.</b>	<b>FIRST AID</b>  I. Definition II. Materials III. Application of Simple First Aid
<b>2.</b>	<b>RESCUE OPERATION</b>  I. Meaning of Rescue Operations II. Different Aspects III. Steps Involved in Rescue Operations
<b>3.</b>	<b>MATERIALS USED THEIR COMMON USES I</b>  I. Wood – State the Common Uses of Wood II. Metal – State and Explain the Common Uses of Metal, Specific uses of Ferrous and Non Ferrous Metals and their Alloys
<b>4.</b>	<b>MATERIALS USED THEIR COMMON USES II</b>  I. Ceramics/Glass II. Rubber

III. Plastics

**5. GEOMETRIC CONSTRUCTION**

I. Lines – Identify and Draw Lines of Various Types

II. Definition, Types and Uses

III. Bisection and Division of Lines

**6. ANGLES I**

Definition, Types and Uses.

**7. ANGLES II**

Bisection and Construction of Angles – 90, 45, 60, 30 etc.

**8. TRIANGLES**

I. Definition and Types

II. Sketch Types of Triangle and Parts of a Triangle

**9. TRIANGLES**

I. Construction of Various Types of Triangles

II. Circumscribing, Inscribing, Escribing Circles to a given Triangle

**10. CIRCLE**

I. Definition

II. Types and Parts of a Circle

III. Construction of Tangents and Normal to a given Circle and Two to Two Equal and Unequal  
Circles

**11. – 12. REVISION AND EXAMINATION**

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**SECOND TERM**

<b>WEEK</b>	<b>TOPICS/CONTENTS</b>
<b>1.</b>	<b>REVISION OF LAST TERM'S WORK</b>
<b>2.</b>	<b>QUADRILATERALS</b>  I. Definition (Define, Identify and Construct Regular and Irregular Quadrilaterals)  II. Types/Sketches  III. Constructions
<b>3.</b>	<b>POLYGON</b>  I. Definition (Define, identify and Construct Regular and Irregular Polygons)  II. Types/Sketches  III. Constructions
<b>4 – 5.</b>	<b>AREA OF PLANE FIGURES</b>  I. Enlargement/Reduction of Plane Figures (Regular and Irregular)  II. Determination of Areas of Regular and Irregular Figures

**6. WOODWORK MACHINES**

- I. Definition (Identify and State the Uses)
- II. Types and Uses
- III. Care and Maintenance

**7. METALWORK MACHINES I**

- I. Definition (Identify and State the Uses)
- II. Types and Uses
- III. Care and Maintenance

**8. METALWORK MACHINES II**

Care and Maintenance (Identify the Process Involved)

**9. FRICTION I**

- I. Definition and Causes of Friction
- II. Effects
- III. Advantages and Disadvantages

**10. FRICTION II**

- I. Reduction of Friction
- II. Lubrication – Types and Uses

**11. – 12. REVISION AND EXAMINATION**

**BASIC TECHNOLOGY**  
**JUNIOR SECONDARY SCHOOL (JSS 2)**  
**THIRD TERM**

<b>WEEK</b>	<b>TOPICS/CONTENTS</b>
<b>1.</b>	<b>REVISION OF LAST TERM'S WORK</b>
<b>2.</b>	<b>BELT AND CHAIN DRIVE I</b>  I. Definition  II. Types, Uses
<b>3.</b>	<b>BELT AND CHAIN DRIVE II</b>  I. Advantages and Disadvantages  II. Compare Belt and Chain Drives
<b>4.</b>	<b>GEARS I</b>  I. Definition  II. Types and Uses
<b>5.</b>	<b>GEARS II</b>  I. Gear Ratio and Speed  II. Functions of Lubricants in Gear

**6. HYDRAULICS AND PNEUMATICS MACHINES**

- I. Definition
- II. Types and Uses
- III. Operation

**7. SITE PREPARATION**

- I. Definition tools
- II. Classification of Tools/Plants Use for Site Preparation

**8. SETTING OUT**

- I. Definition, Tools used during Setting Out
- II. Evacuation/Timbering

**9. BUILDING SERVICES**

- I. Taps – Identify the various Fittings required, State the various Types of Tap)
- II. Water Supply

**10. BUILDING PROJECTS**

Termly Practical Work

**11. – 12. REVISION AND EXAMINATION**