BASIC TECHNOLOGY

JUNIOR SECONDARY SCHOOL (JSS 2)

FIRST TERM

WEEK	TOPICS/CONTENTS

1. FIRST AID
   I. Definition
   II. Materials
   III. Application of Simple First Aid

2. RESCUE OPERATION
   I. Meaning of Rescue Operations
   II. Different Aspects
   III. Steps Involved in Rescue Operations

3. MATERIALS USED THEIR COMMON USES I
   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

4. MATERIALS USED THEIR COMMON USES II
   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. Bissection and Division of Lines

6. ANGLES I
   Definition, Types and Uses.

7. ANGLES II
   Bissection 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 Targets and Normal to a given Circle and Two to Two Equal and Unequal Circles

11. – 12. REVISION AND EXAMINATION
BASIC TECHNOLOGY

JUNIOR SECONDARY SCHOOL (JSS 2)

SECOND TERM

WEEK TOPICS/CONTENTS

1. REVISION OF LAST TERM’S WORK

2. QUADRILATERALS
   I. Definition (Define, Identify and Construct Regular and Irregular Quadrilaterals)
   II. Types/Sketches
   III. Constructions

3. POLYGON
   I. Definition (Define, identify and Construct Regular and Irregular Polygons)
   II. Types/Sketches
   III. Constructions

4 – 5. AREA OF PLANE FIGURES
   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**

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