

DIGITAL LESSON PLAN

Name of the Student Teacher : JASHLYN FINI.J
Name of the Institution : Christian College of Education, Marthandam.
Standard : IX
Subject : Science
Unit : Unit-4 Electric Charge and Electric Current
Topic : 4.2 Types of Electric Current
Duration : 45 minutes
Date : XXXXXX

Instructional Objectives:

1. Pupil acquires knowledge about the Types of Current.
2. Pupil understand about the Types of Current.
3. Pupil applies the knowledge about the types of content in real life.
4. Pupil develops the skill of distinguishing the Types of Current.
5. Pupil shows interest to know about the Types of Current.

Instructional Resources Required

Hardware Resources Needed

- Computer
- LCD Projector
- Digital Camera

Software Resources Needed:

- Microsoft Word
- Microsoft PowerPoint

Printed Material Needed:

- Textbook
- Portable Document File

Internet Resources Needed:

- URL of Wiki
- URL of Google Images

Previous Knowledge of Learners:

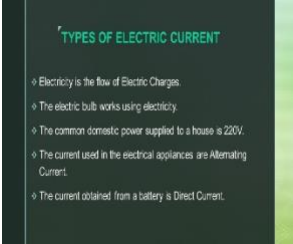
- Knowledge of Types of Electric Current
- Knowledge of Alternating Current

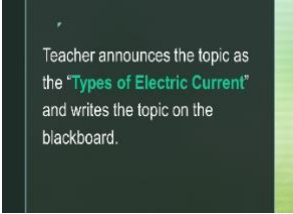
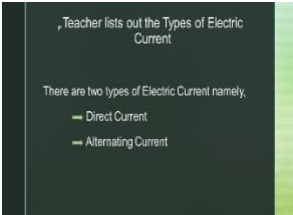
Types of Media Effects :

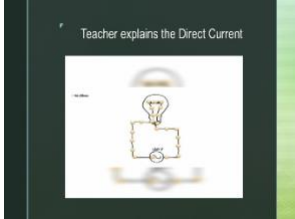
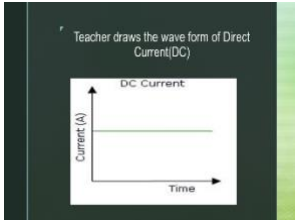

- Text
- Images
- Animation
- Audio

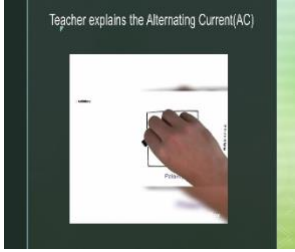
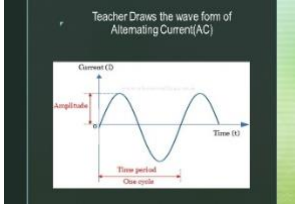
PowerPoint Presentation


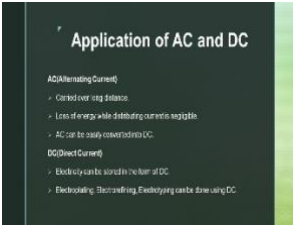
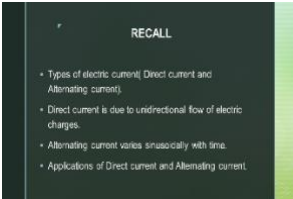
Slide Numbers		Steps
2	:	Motivation
3	:	Topic Announcement
4-10	:	Presentation
11	:	Application
12	:	Recapitulation
13	:	Assignment

CONTENTS	SPECIFICATION	SIDE EFFECTS	SLIDES	LEARNING EXPERIENCE	EVALUATION
MOTIVATION	Recalls	Text			<p>i)What is electricity?</p> <p>ii)How does an electric bulb works?</p> <p>iii)What is the common domestic power supplied to your house?</p> <p>iv)Which current is used in electrical appliances?</p> <p>v)Which current is produced in battery?</p>

<p>Topic Announcement</p>	<p>Announces</p>	<p>Text</p>		<p>The teacher announces the topic as the “Types of Electric Current” and writes it on the blackboard.</p>	
<p>Presentation</p> <p>Types of Electric current</p>	<p>Lists</p>	<p>Text</p>		<p>Teacher lists out the Types of Electric current: There are two types of electric current namely, → Direct Current → Alternating Current.</p>	<p>What are the two types of electric current?</p>

Direct Current	Explains	Video- Animat ion Audio		Teacher explains that Direct current is due to the unidirectional flow of electric charges.	What is Direct Current?
	Draws	Picture		Teacher draws the waveform of Direct Current.	Draw the waveform of DC
	Cites examples	Text		The sources of Direct Current are Battery, Solar cells, Thermocouples etc...	Name some sources of Direct Current

<p>Alternating Current</p>	<p>Explains</p>	<p>Video-Animation Audio</p>	 <p>Teacher explains the Alternating Current(AC)</p>	<p>Teacher explains that if the direction of current in a resistor or in any other element changes its direction alternatively, the current is called Alternating Current.</p>	<p>What is Alternating Current?</p>
	<p>Draws</p>	<p>Picture</p>	 <p>Teacher Draws the wave form of Alternating Current(AC)</p>	<p>Teacher draws the waveform of Alternating Current</p>	<p>Draw the waveform of Alternating current</p>

<p>Frequency</p>	<p>Explains</p>	<p>Video- Animat ion Audio</p>		<p>Frequency is the number of complete cycle of variation through by AC in one second.</p>	<p>What is Frequency?</p>
<p>Application</p>	<p>Lists</p>	<p>Text</p>		<p>Teacher asks the students to apply the advantages of AC and DC in real life situations.</p>	<p>What are the applications of Alternating current and Direct Current?</p>
<p>Recapitulation</p>	<p>Recalls</p>	<p>Text</p>		<p>Teacher recalls the important points and gave some assignments.</p>	

Concluding Phase

[Digital Lesson Plan.pptx](#)

Remedial Phase

<https://youtu.be/vN9aR2wKv0U>

Extended / Follow up Activity

- What are the types of electric current?
- Draw the waveform of Direct current and Alternating Current
- What is an Alternating Current with examples?

