

| PRE-CONTENT/CONTENT<br>POST CONTENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LEARNING OUTCOMES/OBJECTIVES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <p><b>Pre-Content</b><br/>Students have general idea about the drainage basins and different river systems in India.</p> <p><b>Content-</b></p> <ul style="list-style-type: none"> <li>• New terms- River basin, Water divide, perennial , seasonal</li> <li>• Difference between Himalayan and peninsular rivers</li> <li>• Important river systems – Ganga, Indus and Brahmaputra</li> <li>• Role of rivers in the economy.</li> </ul> <p><b>Post Content</b></p> <ul style="list-style-type: none"> <li>• Recapitulation exercises</li> <li>• Worksheets</li> <li>• Application of knowledge</li> <li>• Map skills</li> </ul> | GENERAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SPECIFIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>Students will be able to –</p> <ul style="list-style-type: none"> <li>• outline and recognise the basic nature of the river system.</li> <li>• compare the east flowing with west flowing rivers of peninsular plateau</li> <li>• assess different drainage systems of India.</li> <li>• appreciate the presence of rich alluvial plains formed by these rivers.</li> <li>• analyse the importance of rivers in the economy.</li> <li>• locate and label important river and lakes on the outline map of India</li> </ul> | <p>Students will be able to -</p> <ul style="list-style-type: none"> <li>• identify the different types of river system of the country.</li> <li>• comprehend the geographical terms related to the river system of an area.</li> <li>• differentiate between drainage and drainage basin</li> <li>• realise the significance of rivers and fertile plains formed by it.</li> <li>• assess the significance of rivers and its contribution to the mankind.</li> <li>• appraise the located rivers and lakes and infer role of rivers and lakes in the country's economy.</li> </ul> |

## HOME WORK/ ASSIGNMENT

- Question & answers will be given from the Text book
- Self- made extra questions and map work will be given
- Work sheets will be given.

**Class -IX**

**Month- July**

| TEACHER'S ACTIVITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | STUDENT'S ACTIVITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TEACHER'S OBSERVATION                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <p>Teacher will:</p> <ul style="list-style-type: none"><li>ask questions to recall their previous knowledge in the inter active session.</li><li>show the audio-visual aid to explain the new terms in the class.</li><li>instruct the students to make a table differentiating between the Himalayan rivers and Peninsular rivers.</li><li>depict different origin of rivers on Map of India.</li><li><b>Annexure-(G-1) ACTIVITY-</b> Boredom Buster - assist the students to write about the role played by rivers in the economy.</li><li>give recapitulation worksheet to solve.</li></ul> | <p>Students will:</p> <ul style="list-style-type: none"><li>recall the topic and answer the questions.</li><li>make notes from the audio-visual aid shown by the teacher in their notebooks for better understanding.</li><li>write the point in the table differentiating between the types of rivers.</li><li>mark all the origin of different rivers on a map of India.</li><li><b>Annexure-(g-1)</b> perform the activity in the class and solve worksheet - discuss all the points in class.</li><li>solve the worksheets and paste it in their notebooks.</li></ul> | <p>Teacher will write her own observations after the completion of the topic.</p> |

**TEACHING AIDS-** , ICR, book, Black board, Map of India

**INNOVATIVE THINKING-** Activity based teaching, Discussion , Problem solving

**INTERDISCIPLINARY LINKS-** EVS, geography and economics

**HOD**

**COORDINATOR**

**VICE PRINCIPAL**

**PRINCIPAL**

## ANNEXURE (G-1) and (g-1)

### ACTIVITY NO. – G-3

|                           |                        |
|---------------------------|------------------------|
| <b>Subject</b>            | <b>Geography</b>       |
| <b>Class</b>              | <b>IX</b>              |
| <b>Chapter/Unit</b>       | <b>Drainage</b>        |
| <b>Topic</b>              | <b>Rivers of India</b> |
| <b>Time</b>               | <b>1 Period</b>        |
| <b>Nature of Activity</b> | <b>Group Work</b>      |

#### What will I learn?

The students will be able to:

- identify the course of rivers
- comprehend the significance of rivers
- differentiate between Himalayan and Peninsular rivers
- appreciate the contribution of rivers to the economy
- locate rivers on map of India

#### Skills:

Applying, Appreciating, Locating, Comprehending

#### What do I have to do?

To prepare a Powerpoint presentation on the rivers of India and complete the activity by filling the observation sheet.

#### What do I require?

Textbook, Internet and Videos, Articles regarding Indian rivers

#### What do I need to know?

The term drainage describes the river system of an area. The small streams flowing from different directions come together to form the main river, which ultimately drains into a large water body such as a lake or a sea or an ocean. The area drained by a single river system is called a drainage basin.

➤ Teacher's Activity- Teacher will:

- explain the types of river in India using visual aid.
- show the flow chart of different rivers in class to make students aware about it.
- divide the class into nine groups and will assign one river to each group. The groups will be as follow
  - **Group A: The Indus River**
  - **Group B: The Ganga River**
  - **Group C: The Brahmaputra River**
  - **Group D: The Nardama River**

- **Group E: The Tapi River**
- **Group F: The Godavari River**
- **Group G: The Mahanadi River**
- **Group H: The Krishna River**
- **Group I: The Kaveri River**
- help to explore details about the river and present it with the help of Power Point Presentation.
- instruct students to cover the presentation based on the following:
  - ❖ Its location
  - ❖ Originating place/state
  - ❖ Tributaries/distributaries
  - ❖ States benefited by it
  - ❖ Important cities located on its banks
  - ❖ Agricultural activities undertaken
  - ❖ Multi-purpose projects/power stations set up
  - ❖ Nature of the terrain through which it flows
  - ❖ Features formed
  - ❖ Social issues i.e. inter-state water disputes(if any)
  - ❖ Show the course of rivers in India on a Political map of India.

### **How will I proceed?**

➤ **Student's Activity-** Students will:

- note the different types of river in India.
- prepare the presentation based on the topics given by the teacher.
- follow teacher's instructions and will complete the activity.

### **What have I observed?**

| Name            | Place of origin | Drainage pattern |
|-----------------|-----------------|------------------|
| The Indus       |                 |                  |
| The Ganga       |                 |                  |
| The Brahmaputra |                 |                  |
| The Narmada     |                 |                  |
| The Tapi        |                 |                  |
| The Godavari    |                 |                  |

|                     |  |  |
|---------------------|--|--|
| <b>The Mahanadi</b> |  |  |
| <b>The Krishna</b>  |  |  |
| <b>The Kaveri</b>   |  |  |

**What have I learnt?**

Differentiate between Himalayan rivers and Peninsular rivers in five points.

| <b>HIMALAYAN RIVERS</b> | <b>PENINSULAR RIVER</b> |
|-------------------------|-------------------------|
|                         |                         |
|                         |                         |
|                         |                         |
|                         |                         |
|                         |                         |

**What am I curious to learn?**

I would conduct a research work on the any one river conservation plans undertaken by the government of India.

**Let me evaluate myself**

**1. Which is the river island of Brahmaputra?**

- a) Isukathippa Island
- b) Majuli
- c) Minicoy Island
- d) Netrani Island

**2. Which dam is built on the Mahanadi?**

- a) Bhakra Dam
- b) Hirakud Dam
- c) Nagarjuna Sagar Dam
- d) Sardar Sarovar Dam

**3. Which is the largest river system of the peninsular India?**

- a) The Brahmani
- b) The Cauvery
- c) The Godavari
- d) The Krishna

**4. Which is the largest of all the west flowing rivers of the Peninsula?**

- a) The Luni
- b) The Mahi
- c) The Narmada
- d) The Sabarmati

**5. Name the river having the largest drainage basin in India.**

Ans. \_\_\_\_\_

**6. Identify two rivers which originate in the western ghats and flow towards Bay of Bengal.**

Ans. \_\_\_\_\_