

# Knowledge Organiser

## Vocabulary

### Tier 3 vocabulary

**Pluvial:** occurs when excessive rainfall over an extended period of time causes a river to exceed its capacity.

**Fluvial:** surface water flood, is caused when heavy rainfall creates a flood event.

**Oxbow Lake:** U-shaped lake that forms when a wide meander of a river is cut off, creating a free-standing body of water.

**Meander:** Rivers flowing over gently sloping ground begin to curve back and forth across the landscape.

**Course:** The path of the river, from its source to its mouth, is basically called its course. It is divided into 3 parts: Upper, Middle and Lower.

### Tier 2 vocabulary

**Evaporation:** inspect (someone or something) thoroughly

**Condensation:** a detailed examination of anything complex in order to understand what it is like.

**Precipitation:** Precipitation is any liquid or frozen water that forms in the atmosphere and falls to the Earth.

**Vapour:** some of the water "evaporates" into the air, turning into a gas called "vapour".

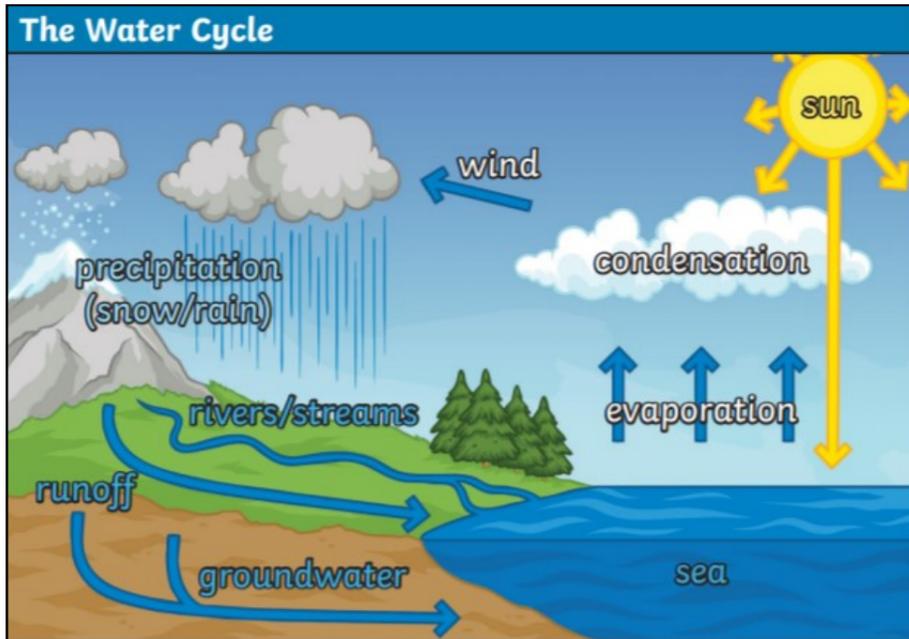
## Useful Weblinks

- <http://www.primaryhomeworkhelp.co.uk/rivers/stages.html>

### Overview of key areas of study

- **D.T./Art:** project developing skills in sculpture through the medium of cardboard inspired by Lottie Smith
- **PHSE and ICT:** will cover online safety, teaching pupils about how to make sure they are able to recognise and deal with concerns in their online interactions.
- **PE:** lessons will cover skills associated with hockey and the return to sailing for years 4, 5 & 6.
- **RE** work will focus on Hinduism and Christian stories and scripture.
- **Music:** notation and reading music, building up to a performance

# Knowledge organiser—Rivers & Water Cycle



**Knowledge item 1**-Know the states of water cycle

**Knowledge item 2**-Know the source, tributaries, course and mouth of rivers

**Knowledge item 3**-Know 3 different stages of a river and their features

**Knowledge item 4**-To know how oxbow lakes and meanders are formed

**Knowledge item 5**- To know impacts of river use

**Knowledge item 6**- To know the impact of Pluvial and fluvial flooding

## Core Skills

Place

Physical Geography

Human Geography

## Drivers

Identity- How did the flood affect the community of Coverack?

Enrichment- Guest speakers from the community

## Important places:

- ⇒ Severn, Tamar, Thames, Tyne, Mersey, Forth, Wye, Bann
- ⇒ Atlantic, North Sea, Irish Sea, English Channel
- ⇒ Amazon, Ganges, Mississippi, Indus, Congo, Nile, Loire,
- ⇒ France, Brazil, Egypt, America, Pakistan, India
- ⇒ Coverack, Boscastle

## Dams

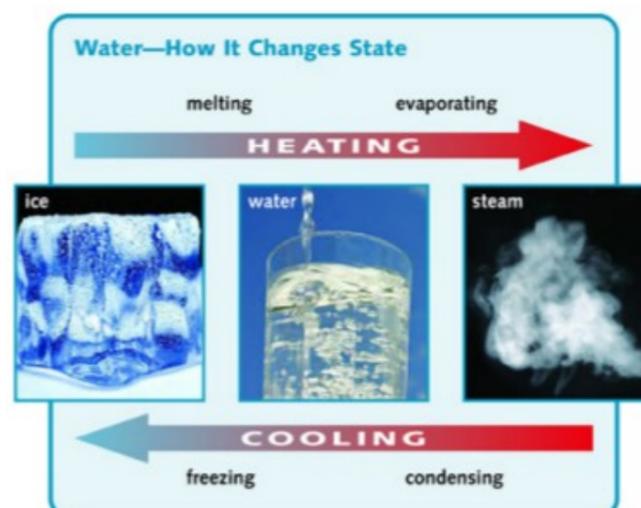
**Dams** are built to hold water back, usually in a reservoir.

**Dams** might be built to:

- control the flow of a river to prevent flooding.
- generate power



## Changes of state – water



## Flooding

Fluvial	Pluvial	Coastal	Plumbing
Lots of rainfall causing rivers to burst their banks.	Heavy rainfall cannot drain away quickly enough.	High tides and storms.	Broken pipes in buildings.

# What should pupils know/be able to do by the end of the unit?

## Art/DT

### During this unit pupils will:

#### Knowledge

- Apply and understand how to strengthen, stiffen and reinforce more complex structures.
- To know about artist who has worked with similar media (Lottie Smith)
- To use technical language to evaluate and analyse techniques used.

#### Skills

- Combine a range of materials and tools to create surface texture and impression. (fringing, corregation, layering)
- To recreate patterns based on the surface of natural and man made objects.

## Music

### During this unit pupils will:

#### Knowledge

- Understand and explore how music is created
- Use technical vocabulary eg minims, crotchet, notation etc

#### Skills

- Use notation associated with duration eg crotchet-1 beat minim-2 beats etc
- Improve and perform a melody

## Internet safety/PSHE

### During this unit pupils will:

#### Knowledge

- Know what cyber bullying is
- Know how to create a strong password
- Explain privacy setting

#### Skills

- Recognise acceptable and unacceptable online behaviour
- Identify a range of ways to report concerns

## French

### During this unit pupils will:

#### Knowledge

- Know numbers 11-31
- Know days of the week/months of year
- Know anniversaries such as Christmas

#### Skills

- Listen to and respond to a range of phrases and sentences
- Ask and respond to questions

## R.E

### During this unit pupils will:

#### Knowledge

- To know what a Gospel is
- To know that the New Testament tells the story of Jesus' life
- To know what baptism is and why it is important to Christians
- To know what the Trinity is and its significance to Christians
- To know the Christians believe in the story of creation as written in the book of Genesis
- To know that humanists believe in a scientific understanding of the beginning of the universe