

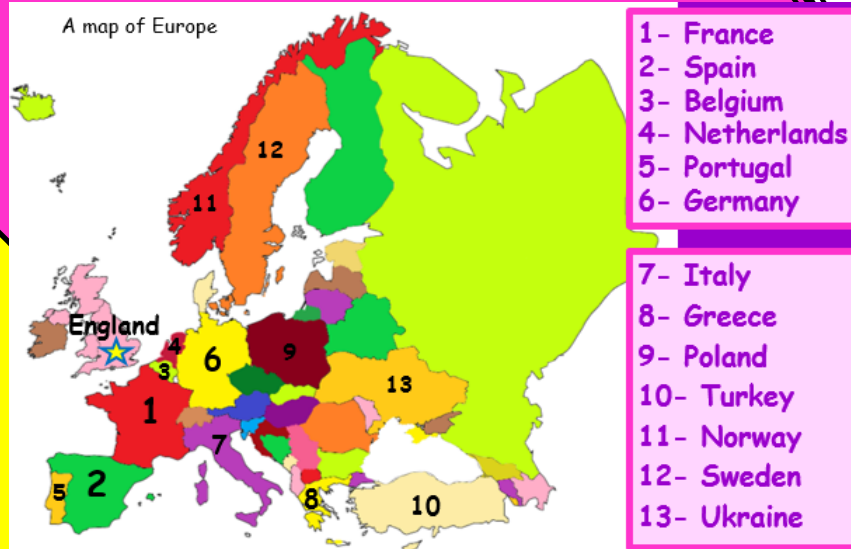
# Year 4 Knowledge Map—Advent 2 2024

## Geography - European countries, capitals and topography

## Science - Electricity

### Geography

How many European countries can you remember without looking?



Key Vocabulary	
Things we already know	New vocabulary
Physical geography	natural features of the land such as, mountains, beaches and rivers.
Human geography	Features that have been man made such as, cities, farms and harbours.
Continent	A continent is a massive area of land that is separated by water or other natural features.
Capital Cities	Are usually the largest cities in their regions.
Terrains	Land or ground or the natural characteristics of the Earth's surface
Region	A larger area of land that is different from other areas with its own customs, characteristics of geographical feature
Climate	Climate is the unusual or average weather conditions over a long period of time.
Climate zones	The weather changes in different parts of the world. The world has different climate zones.
Population	The number of people living in a country, city or area.
Settlement	Places people lives such as, cities, towns and villages.

### Seasonal activities

- Christmas door school walk - Monday 2nd December 2024 - 10am
- Christmas Crafts and Carols in the hall with parents/careers - Year 4 Monday 16th December 2024 - 9am-10:30am
- Christmas Movie - Thursday 19th December 2024 3:00-5:30pm
- Christmas Jumper and Dinner Day 19th December 2024
- Last day of the Advent Term—20th December 2024

### Science



circuit	An electrical circuit is a completed path through which an electrical current flows.
buzzers	A buzzer is an automatic signalling device. They are used as alarms and door bells.
conductor	A conductor is an object or type of material that allows the flow of an electrical current in one or more directions
battery	A battery is a device that stores chemical energy and makes it available in an electrical form.
cells	An electrical cell is a device that is used to generate electricity.
switch	A switch is an electrical component that can 'make' or 'break' an electrical circuit.

socket	Sockets allow electrical equipment to be connected to the alternating current (AC) power supply in buildings and at other sites.
appliance	An electrical appliance is a device that uses electricity to perform a function.
appliance series circuit	Components connected in series are connected along a single path, so the same current flows through all of the components.
insulator	An insulator is a material whose internal electric charges do not flow freely.

What would life be like if we did not have electricity?

### Sticky Knowledge about electricity

- Electricity can be generated by from power stations, wind, the sun, water and even animal pool!
- Electricity is a type of energy that can build up in one place to flow to another.
- A power station is a place where electricity is created and sent to our homes.
- Electricity travels at the speed of light, which is more than 186,000 miles per hour.
- One flash of lightning could power 1000 houses for a whole year.
- When an electric charge builds up on the surface of an object it makes static electricity. This is why we sometimes have a small electric shock.
- The first power plant opened in 1882 and was opened by Thomas Edison.
- Thomas Edison was a very famous inventor who helped us make the most of electricity from bulbs to fuses.

How many electrical appliances can you find in your home? Which ones are mains operated or battery operated?

# Maths

## Factor pairs and Commutativity

20

$5 \times 4 = 20$

$4 \times 5 = 20$

The factors of 20 are 1, 2, 4, 5, 10 and 20.  
The factor pairs are:

1 and 20   2 and 10   4 and 5

Multiplication and Division Facts												
x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

## Key Vocabulary

- multiply
- groups of
- lots of
- times
- divide
- share
- remainder
- factor
- multiple
- product

Remember, you must log onto TTRS regularly in order to achieve your Rockstar status!

# Music

Mamma Mia, ABBA

In our music lesson we will be looking at Mamma Mia, by ABBA and various other ABBA songs. Exploring the structure of songs, to find the pulse, rhythm and pitch. Looking at and discussing the music and styles of the 70s and 80s.

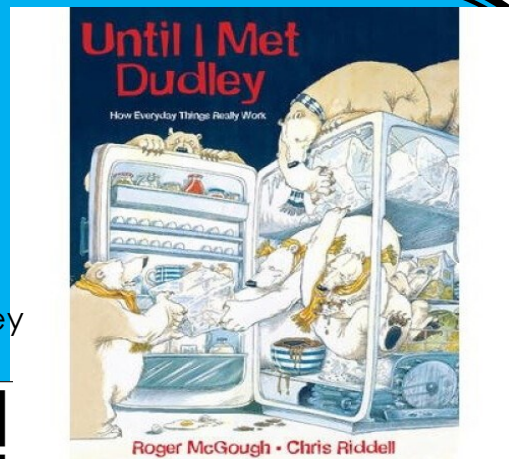


Can you find the pulse of the beat? Clap along to it.

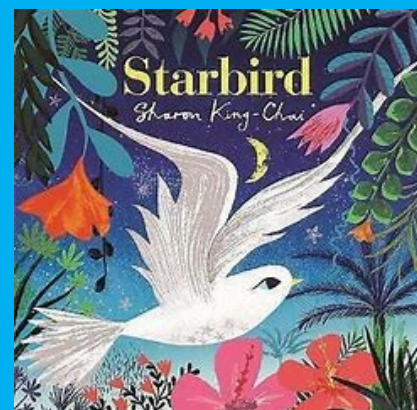
# English

This term we will be looking at two new books in our English lessons.

The first one is Until I met Dudley. In Until I meet Dudley we will be exploring how everyday things really work. In our writing we will be using prepositions, conjunctions, adverbs and fronted adverbials.



We will be discussing and learning about narrative using the book Starbird. Firstly, we will be looking at plot structure and story openings: action, dialogue or description of setting or character. Story endings. Is there a moral message we can see? We will find out if Starbird has a happy ending, surprise or cliff-hanger.



# RE

## Key vocabulary:

Anointment, Sacrament, Bishop, oil of chrism, sponsor, promise. Rabbi, Torah, Synagogue, menorah, shabbat.

In our RE we will be continuing our theme of 'Confirmation'.

We will be also looking at Judasim. We have a visitor from the local Jewish Synagogue coming into to

# DT Money Containers

We will be creating money containers. Children will have a chance to draw, plan and create their own design before producing their own finished product.

Looking at different types of fastenings e.g. buttons, velcro, pop fasteners.

The stitching we will be using e.g. blanket, running and back stitch.



# PHSE/RSE/French

Alternative weeks we will be continuing learning French and PHSE.

In RSE and PSHE children will learn to celebrate similarities and differences, and to appreciate and look after their bodies as gifts from God. Learning also covers specific physical and emotional changes during puberty, and that growing from boys and girls to men and women is part of God's loving plan for creation.

In French we are looking at descriptions to match pictures, what activities people are doing and how to tell the time — **Quelle heure est-il?**

