

**YEAR 4 – AUTUMN TERM 2**  
**A TASTE OF ITALY.**

**Art:** Explore the work of Italian artist – Leonardo DaVinci Study of the sketches of DaVinci’s inventions. Sketch imaginary vehicles in the style of DaVinci. We will use watercolour pencils to outline, sketch and shade in different ways.

**Key vocabulary:** stipple, cross-hatch, sketch, colours, secondary colours, tone, tonal values, mid tones, highlight, shadow, shade.

**D & T:**

Research, design, make and evaluate pizza (food)

**Key vocabulary:** recipe, ingredients, food groups, hygiene, high risk, healthy eating, ‘balanced plate’, thick, thin, texture, taste, appearance, cut, mix, spread, slice, blend, grate, chop, chopping board, knife, grater.

**Cross-Curricular Maths:**

**Geometry:** We will be finding out about Leonardo Da Vinci’s pencil and ink sketch called ‘Vitruvian Man’ and using it to explore the different body measurements that Da Vinci discovered.

**Money:** Children calculate the cost of travelling to various locations across the world.

**Time:**

Children read and interpret bus/ plane timetables.

**Measures:**

Reading maps and interpreting scales to calculate distances

**Daily Maths:**

Our Maths this half term will be an in-depth focus on multiplication and division

**Science: (Sound)**

\* identify how sounds are made, associating some of them with something vibrating.  
\* recognise that vibrations from sounds travel through a medium to the ear.  
\* find patterns between the pitch of a sound and features of the object that produced it.  
\* find patterns between the volume of a sound and the strength of the vibrations that produced it. \* recognise that sounds get fainter as the distance from the sound source increases **Key vocabulary:** sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, cochlea, ear drum, hammer, anvil, stirrup, auditory nerve, brain, amplitude, transmit, absorb, soundproof, insulation.

**English:**

We will be reading a range of texts linked to our Geography study of European regions including ‘The Boy Who Biked the World’ by Alastair Humphreys and ‘Migration – Incredible Animal Journeys’ by Mike Unwin. Writing opportunities will include writing instructions about how to make a banana sandwich, a non-chronological report about regions in Italy and letter /recount writing from a story character to his parents. In our daily Reading lessons, we will be developing the skills of summarizing, predicting, retrieving information and developing and broadening vocabulary.

**Writing opportunities will include:**

- Write an information text about a region in Italy
- Write a letter from the point of view of our main story character.
- Write an instruction text about how to make a banana sandwich

**Useful English websites:**

**Purple Mash:**  
<https://www.purplemash.com/sch/stleonards/st17>

**\*In this Geograpy topic we will learn how to:**

\*understand geographical similarities and differences by studying the human and physical geography of a region of the United Kingdom and a region in a European country (Italy).  
\*describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle  
\*describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water. \*Locate the world’s countries, using maps to focus on Europe concentrating on their environmental regions, key physical and human characteristics and major cities

**Key vocabulary:** United Kingdom, Europe, continent, country, capital city, physical feature, human feature, landmark, trade links, resources, spoilt, improved, environment. coastal, inland, climate, temperature, residential, commercial, recreational, industrial, redevelopment, regions, site, situation, suburban, urban, urbanization, volcano, mountain range, land use, market, rural, service industry, settlement, function.

**Prior Learning:** In Key Stage 1, children will have learned about the 7 continents and 5 oceans of the world. They will know the 4 countries that make up the UK. They will have learned some basic geographical vocabulary relating to physical

**Key Questions:**

\*Where is Italy? Which continent is it on?  
Which countries border Italy? What are its major and capital cities? How is it divided up?  
\*How does the physical geography of ??? compare with Stafford?  
\*How does the human geography of compare with Stafford?  
\*What are the main natural resources of ???  
How does that compare to Stafford?

**P.S.H.E. (Jigsaw)**

Our Jigsaw work will explore ‘Celebrating Difference’ and we will learn that although we all look different, we all have special and unique qualities. We will think about the ways we sometimes make assumptions about people based on appearances, and that these opinions can sometimes change as we get to know people better. We will also be thinking about bullying from the point of view of a witness and the target.

**Key vocabulary:** character, assumption, judgement, surprised, different, appearance, accept, influence, opinion, attitude, bullying, deliberate, bystander, witness, target, unique, characteristics, impression.

**R.E. - Landmarks in Life:**

Investigate the importance for believers of ceremonies in which special moments in the life cycle are marked.

**Computing: This half term we will be learning**

**how to ‘code’.** TO use selection in coding with the ‘if/else’ command. To understand and use variables in 2Code. To use flowcharts for design of algorithms including selection. To use the ‘repeat until’ with variables to determine the repeat.

as well as further work on addition and subtraction in relation to money, measures and estimation.

**Multiplication Tables:**

We will continue to focus on improving speed and accuracy in recalling times tables up to 12 x 12, in addition to other aspects of the curriculum including area and perimeter, multiplication and division.

**Useful Maths websites:**

<https://play.trockstars.com/auth/school/student>

[www.URBrainy.com/MTC](http://www.URBrainy.com/MTC)

[www.topmarks.co.uk/maths-games/hit-the-button](http://www.topmarks.co.uk/maths-games/hit-the-button)

<https://www.purplemash.com/sch/stleonardsst17>

**Spelling City:**

<https://www.spellingcity.com/Log-yourself-in.html>

**WOW! Starter.**

and human features. We will expand on this knowledge and deepen their knowledge and understanding as we compare and contrast Italy and a region in the UK in greater detail.



To learn about and use computational thinking terms decomposition and abstraction.

**Key vocabulary:** action, alert, algorithm, bug, code design, command, control, debug, design mode, event, get input, if, if/else, input, output, object, repeat, selection, simulation, timer, variable.

