Y2 Medium Term Plan Autumn 2

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|  | Science | Humanities | RE | Computing |
| Theme | **Theme: Animals, including Humans****Key skills:*** Ask simple questions and recognise that they can be answered in different ways.
* Observe closely.
* Perform simple tests.
* Identify and classify objects and organisms.
* Gather and record data to help in answering questions.
* Using their observations and ideas to suggest answers to questions.

**Key Knowledge:*** notice that animals, including humans, have offspring which grow into adults
* find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
* Other things animals benefit from: exercise, touch/communication, keeping clean
* describe the importance for humans of exercise: healthy body, boosts mood, boosts energy,strengthens heart and muscles,good for bones.
* To know the importance of eating the right amounts of different types of food: for the body to grow, strengthen, repair and gain energy.
* To know the importance of hygiene: makes us feel better about ourselves, keeps us and those around us healthier, reduces spread of bacteria and viruses which causes smells, discolouration, dirt, mould.
* To know what a balanced diet is: roughly the same amount of vegetables, fruit and healthy carbohydrates (most of diet), roughly same amount of protein and dairy products and minimum amount of sugars and unhealthy fats.
 | **Theme: Hot and cold places- Brazil****Key skills:**•Identify seasonal and daily weather patterns in the UK.•Identify the location of hot and cold areas of the world in relation to the Equator and the North and South poles. •Use basic geographical vocabulary to refer to seasons and weather.•Use world maps, atlases and globes to identify the UK and its countries, as well as the countries, continents and oceans studied at this key stage.  | **Theme: Why do Christians believe God gave Jesus to the world?****Key skills*** To show empathy towards others.
* To retell a story.
* To demonstrate discernment when giving reasoning.
* To reflect on how they view the world.

**Key knowledge** * The idea that superheroes are designed to save the world with props and powers such as flying cape, magic wands, telepathy, invisibility, strength.
* Problems the world currently faces: poverty, hunger, war, diseases, racism, discrimination, violence.
* Possible ways to save the world from it’s problems: money for the poor, putting an end to war, better medicine, healthier lifestyles, more integration, friendly society, punishment for bullies, showing love.
* Ways of showing love: kind words, favours, gifts, spending quality time, giving kind, positive advice.
* The reason God put Jesus on earth: to save the world- spreading ideas to make the world a better place.
* The Christmas Story: The story of Christmas- Jesus was born in Bethlehem to Mary and Joseph. He is the son of God. He is described as a king and a saviour. He was born in a manger inside an inn on Christmas day. The three wise men visited Jesus and gave him gifts, gold, frankincense and myrrh.
* The ways Jesus is depicted in the bible to show love: healed the sick, fed the hungry, taught people to love one and other.
 | Unit 2.2 - online safety Key Skills;* To be able to identify inappropriate content online
* To use the search tool on both purple mash and search engine such as Google

Key Knowledge;* Know to tell a teacher or trusted adult if they are worried about something they have seen online
* know that Email is a form of digital communication
* can explain what a digital footprint is (A digital footprint is a trail of data you create while using the Internet )
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| Week 1 | **L.O- To design a manual for looking after a pet.****Key skills*** Using their observations and ideas to suggest answers to questions.
* Ask simple questions and recognise that they can be answered in different ways.

**Key knowledge**:* find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
* Other things animals benefit from: exercise, touch/communication, keeping clean
 | **L.O- To understand what the equator is and how this impacts climates****Key skills:**•Identify seasonal and daily weather patterns in the UK.•Identify the location of hot and cold areas of the world in relation to the Equator and the North and South poles. •Use basic geographical vocabulary to refer to seasons and weather.•Use world maps, atlases and globes to identify the UK and its countries, as well as the countries, continents and oceans studied at this key stage.  | **LO: To design a superhero and explain how it saves the world.****Key skills*** To demonstrate discernment when giving reasoning.
* To reflect on how they view the world.

**Key knowledge** * The idea that superheroes are designed to save the world with props and powers such as flying cape, magic wands, telepathy, invisibility, strength.
 | LO: To use the search toolKey Skills:* to refine searches using the Search tool.
* share work electronically

Key Knowledge: * Know to tell a teacher or trusted adult if they are worried about something they have seen online
* To have some knowledge and understanding about sharing more globally on the Internet.
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| Week 2 | **L.O- To observe the effects of exercise on the body.****Key skills*** Gather and record data to help in answering questions.
* Using their observations and ideas to suggest answers to questions.
* Observe closely.
* Ask simple questions and recognise that they can be answered in different ways.

**Key knowledge**:* Describe the importance for humans of exercise: healthy body, boosts mood, boosts energy,strengthens heart and muscles,good for bones.
 | **LO: To identify hot and cold places and locate them on a map****Key skills:**•Identify seasonal and daily weather patterns in the UK.•Identify the location of hot and cold areas of the world in relation to the Equator and the North and South poles. •Use basic geographical vocabulary to refer to seasons and weather.•Use world maps, atlases and globes to identify the UK and its countries, as well as the countries, continents and oceans studied at this key stage.  | **LO: To discuss the problems the world currently faces and how these problems could be solved.****Key skills*** To demonstrate discernment when giving reasoning.
* To reflect on how they view the world.
* To show empathy towards others.

**Key knowledge** * Problems the world currently faces: poverty, hunger, war, diseases, racism, discrimination, violence.
* Possible ways to save the world from it’s problems: money for the poor, putting an end to war, better medicine, healthier lifestyles, more integration, friendly society, punishment for bullies, showing love.
 | LO: To know about emails Key Skills:* To open and send simple online communications in the form of email.

Key Knowledge: * know that Email is a form of digital communication
* Understand the different ways to communicate (email, phone, letter)
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| Week 3 | **L.O- To investigate the effects of being unhygienic.****Key skills*** Gather and record data to help in answering questions.
* Using their observations and ideas to suggest answers to questions.
* Observe closely.
* Ask simple questions and recognise that they can be answered in different ways.

**Key knowledge**:* To know the importance of hygiene: makes us feel better about ourselves, keeps us and those around us healthier, reduces spread of bacteria and viruses which causes smells, discolouration, dirt, mould.
 | **LO: To recognise the features of a hot and cold place.****Key skills:**•Identify seasonal and daily weather patterns in the UK.•Identify the location of hot and cold areas of the world in relation to the Equator and the North and South poles. •Use basic geographical vocabulary to refer to seasons and weather.•Use world maps, atlases and globes to identify the UK and its countries, as well as the countries, continents and oceans studied at this key stage.  | **LO: To understand what it means to show love and how it can benefit the world.****Key skills*** To demonstrate discernment when giving reasoning.
* To reflect on how they view the world.

**Key knowledge** * Ways of showing love: kind words, favours, gifts, spending quality time, giving kind, positive advice.
 | LO: To know what it means by digital footprint Key Skills:* To identify the steps that can be taken to keep personal data and hardware secure.

Key Knowledge:* can explain what a digital footprint is (A digital footprint is a trail of data you create while using the Internet )
* To understand that information put online leaves a digital footprint or trail.
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| Week 4 | **L.O- To be able to sort food into groups****Key skills*** Gather and record data to help in answering questions.
* Using their observations and ideas to suggest answers to questions.
* Observe closely.
* Ask simple questions and recognise that they can be answered in different ways.

**Key knowledge**:* To know the importance of eating the right amounts of different types of food: for the body to grow, strengthen, repair and gain energy.
 | **LO: To explore a hot place (Brazil)****Key skills:**•Identify seasonal and daily weather patterns in the UK.•Identify the location of hot and cold areas of the world in relation to the Equator and the North and South poles. •Use basic geographical vocabulary to refer to seasons and weather.•Use world maps, atlases and globes to identify the UK and its countries, as well as the countries, continents and oceans studied at this key stage.  | **LO: To retell the Christmas story.****Key skills*** To retell a story.

**Key knowledge** * The Christmas Story: The story of Christmas- Jesus was born in Bethlehem to Mary and Joseph. He is the son of God. He is described as a king and a saviour. He was born in a manger inside an inn on Christmas day. The three wise men visited Jesus and gave him gifts, gold, frankincense and myrrh.
 | * Use the remainder of the term to go back to unit 2.1 coding.
* Children to evaluate their programs and design/create a new one
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| Week 5 | **L.O- To identify healthy/unhealthy foods****(eatwell guide)****Key skills*** Gather and record data to help in answering questions.
* Using their observations and ideas to suggest answers to questions.
* Observe closely.
* Ask simple questions and recognise that they can be answered in different ways.

**Key knowledge**:* To know the importance of eating the right amounts of different types of food: for the body to grow, strengthen, repair and gain energy.
 | **LO: To explore a cold place (Antartica)****Key skills:**•Identify seasonal and daily weather patterns in the UK.•Identify the location of hot and cold areas of the world in relation to the Equator and the North and South poles. •Use basic geographical vocabulary to refer to seasons and weather.•Use world maps, atlases and globes to identify the UK and its countries, as well as the countries, continents and oceans studied at this key stage.  | **LO: to explain why Christians believe God put Jesus on earth.****Key skills*** To demonstrate discernment when giving reasoning.
* To show empathy towards others.

**Key knowledge** * The reason God put Jesus on earth: to save the world- spreading ideas to make the world a better place.
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| Week 6 | **L.O- To design a healthy eating plan.****Key skills*** Ask simple questions and recognise that they can be answered in different ways.
* Using their observations and ideas to suggest answers to questions.

**Key knowledge**:* To know what a balanced diet is: roughly the same amount of vegetables, fruit and healthy carbohydrates (most of diet), roughly same amount of protein and dairy products and minimum amount of sugars and unhealthy fats.
 | **LO: To identify the animals that live in a hot and cold places and recognise how they adapt****Key skills:**•Identify seasonal and daily weather patterns in the UK.•Identify the location of hot and cold areas of the world in relation to the Equator and the North and South poles. •Use basic geographical vocabulary to refer to seasons and weather.•Use world maps, atlases and globes to identify the UK and its countries, as well as the countries, continents and oceans studied at this key stage.  | **LO: To discuss examples of when Jesus has shown love in the bible and how they benefited others.****Key skills*** To show empathy towards others.
* To demonstrate discernment when giving reasoning.

**Key knowledge** * The ways Jesus is depicted in the bible to show love: healed the sick, fed the hungry, taught people to love one and other.
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