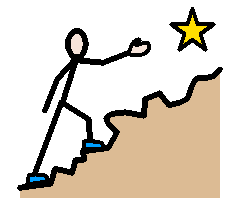
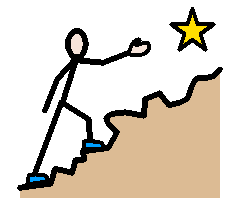
** Challenge **

**Curriculum Coverage 2 year rolling program**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **KS1** | **LKS2** | **UKS2** | **KS3** | **KS3** |
| **Autumn 1**  **Celebrations** | **EYFS/NC Learning objectives** | **Design and Make Products**   * I can safely use and explore a variety of materials * I can safely use and explore a variety of tools * I can safely use and explore a variety of techniques, * I can experiment with colour, design, texture, form and function.   **Learn about and use Modern Technology**   * I can recognise that a range of technology is used in places such as homes and schools. * I can select and use technology for particular purposes..   **Learn About Science**   * I know about similarities and differences in relation to places, objects, materials and living things. * I can talk about the features of my own immediate environment * I can talk about how environments might vary from one another. * I can make observations of animals and plants * I can explain why some things happen * I can talk about changes.   **Develop Independence**   * I am try new activities * I can communicate that I like some activities more than others * I can communicate in a familiar group * I can communicate to say I do or do not need help | **Design and Make Products**   * I have followed instructions to make products from different materials * I can cut using scissors with increasing control   **Learn about and use Modern Technology**   * I can locate the letters on a keyboard with increasing speed * I know how to use the shift, space bar and return keys. * I can create simple documents on a computer using Word   **Learn About Science**   * I can identify different parts of my body * I know which parts of my body are linked to my senses * I can explore properties of everyday materials   **Be Enterprising**   * I recognise the role money plays in my life. * I recognise how people’s lives are affected by how much money they have.   **Develop Independence**   * I know some ways of looking after myself. | **Design and Make Products**   * I can use tools and other equipment safely, with supervision, where appropriate   **Learn about and use Modern Technology**   * I can use technology to capture and create images and sound * I can use technology to present my learning and ideas in a range of ways   **Learn About Science**   * I can compare uses of everyday materials and how they can be changed   **Be Enterprising**   * I have taken part in class enterprise projects; considering different ways of raising money and making my own suggestions   **Develop Independence**   * I am starting to take some responsibility for being in the right place at the right time and for doing the right thing | **Autumn 1**  **Design and Make Products**   * I have explored the ingredients in different foods * I have evaluated different food products against a set of criteria * I have prepared and cooked a range of sweet and savoury dishes   **Learn about and use Modern Technology**   * I can type longer texts with increasing speed and accuracy * I can select and manipulate text to change its size, colour and font.   **Learn About Science**   * I have learned about light, how it is reflected, how shadows are formed and can change   **Be Enterprising**   * I understand the terms profit and loss   **Develop Independence**   * I am developing a range of strategies to enable me to be independent in my learning | **Autumn 3**  **Design and Make Products**   * I have used sewing to make simple textile products * I have prepared and cooked a range of sweet and savoury dishes   **Learn about and use Modern Technology**   * I can select and manipulate text to change its size, colour and font * I can insert pictures into texts and change their size and position within the text   **Learn About Science**   * I have explored sound, creation of sound and change in pitch and volume * I have learned about animals, including humans, focusing on nutrition, skeletons and muscles   **Be Enterprising**   * I have learned about marketing techniques and have evaluated the success and impact of different advertisements.   **Develop Independence**   * I can use a set of success criteria to help me identify how successful I have been at a particular task |
| **Focus** | *Local / Family celebrations* | *National celebrations* | *International celebrations* | *Religious Festivals / Different cultures* | *Birth, death, marriage, rites of passage* |
| **Spring 1**  **Global Warriors** | **EYFS/NC Learning objectives** | **Design and Make Products**   * I can safely use and explore a variety of materials * I can safely use and explore a variety of tools * I can safely use and explore a variety of techniques, * I can experiment with colour, design, texture, form and function.   **Learn about and use Modern Technology**   * I can recognise that a range of technology is used in places such as homes and schools. * I can select and use technology for particular purposes..   **Learn About Science**   * I know about similarities and differences in relation to places, objects, materials and living things. * I can talk about the features of my own immediate environment * I can talk about how environments might vary from one another. * I can make observations of animals and plants * I can explain why some things happen * I can talk about changes.   **Develop Independence**   * I am try new activities * I can communicate that I like some activities more than others * I can communicate in a familiar group * I can communicate to say I do or do not need help | **Design and Make Products**   * I can cut using scissors with increasing control * I can make changes and improvements to my models as I am going along   **Learn about and use Modern Technology**   * I can locate the letters on a keyboard with increasing speed. * I know how to use the shift, space bar and return keys. * I can create simple documents on a computer using Word   **Learn About Science**   * I can explore properties of everyday materials   **Be Enterprising**   * I know the relative value of British coins and notes. * I am developing an understanding of the value of different everyday items and have compared items in terms of their value.   **Develop Independence**   * I can look after my own possessions | **Design and Make Products**   * I can use tools and other equipment safely, with supervision, where appropriate   **Learn about and use Modern Technology**   * I can use the internet to find information and pictures linked to other areas of learning   **Learn About Science**   * I can compare uses of everyday materials and how they can be changed * I have observed how seeds and bulbs grow into plants and what plants need to stay healthy   **Be Enterprising**   * I have made items to sell and helped to decide how much they are worth   **Develop Independence**   * I know some strategies I can use to help me with my work if I get stuck | **Spring 1**  **Design and Make Products**   * I have made products from kits by following a set of diagrammatic instructions.   **Learn about and use Modern Technology**   * I can use search engines to find information and images and can select the most appropriate content for my purpose. * I can use technology to communicate with people and know how to do so safely.   **Learn About Science**   * I have investigated materials including rocks * I can group materials   **Be Enterprising**   * I know the same product can be sold for different prices and understand the cost of best value   **Develop Independence**   * I can take responsibility for making sure I have the things I need in school with me each day | **Spring 3**  **Design and Make Products**   * I have explored different ways of powering mechanisms and devices, such as battery, solar, wind up, gravity, manual, pneumatic.   **Learn about and use Modern Technology**   * I can use technology to communicate with people and know how to do so safely   **Learn About Science**   * I can classify living things and look at changes in the environment * I have explored materials and their differing states of matter   **Be Enterprising**   * I understand the terms profit and loss   **Develop Independence**   * I can ask and answer questions about a range of topics in order to further my own learning |
| **Focus** | *Plastic fantastic* | *Clothing / newspaper* | *Metal* | *Recycling* | *Climate change* |
| **Summer 1**  **Living Things** | **EYFS/NC Learning objectives** | **Design and Make Products**   * I can safely use and explore a variety of materials * I can safely use and explore a variety of tools * I can safely use and explore a variety of techniques, * I can experiment with colour, design, texture, form and function.   **Learn about and use Modern Technology**   * I can recognise that a range of technology is used in places such as homes and schools. * I can select and use technology for particular purposes..   **Learn About Science**   * I know about similarities and differences in relation to places, objects, materials and living things. * I can talk about the features of my own immediate environment * I can talk about how environments might vary from one another. * I can make observations of animals and plants * I can explain why some things happen * I can talk about changes   **Develop Independence**   * I am try new activities * I can communicate that I like some activities more than others * I can communicate in a familiar group * I can communicate to say I do or do not need help | **Design and Make Products**   * I can stick pieces together in different ways to make strong products   **Learn about and use Modern Technology**   * I can use technology to present my learning in different ways.   **Learn About Science**   * I can identify and name plants and look at their basic structure   **Be Enterprising**   * I have taken part in class enterprise projects; considering different ways of raising money and making my own suggestions.   **Develop Independence**   * I know some ways of looking after myself | **Design and Make Products**   * I can stick pieces together in different ways to make strong products * I have worked in a group to follow a recipe   **Learn about and use Modern Technology**   * I have made short digital animations and videos.   **Learn About Science**   * I have explored living things and their habitats * I have learned about animals, including humans, focussing on reproduction, nutrition and exercise   **Be Enterprising**   * I have explored how packaging and advertising are used to sell products * I have created packaging and adverts for products   **Develop Independence**   * I can speak for myself to make sure my opinion is heard or so I can get what I need | **Summer 1**  **Design and Make Products**   * I have taken products apart and put them back together again * I have used sewing to make simple textile products.   **Learn about and use Modern Technology**   * I can insert pictures into texts and change their size and position within the text. * I have created and edited digital animations and videos, combining images and sounds   **Learn About Science**   * I can identify parts of plants, needs of plants and their life cycles * I have learned about animals, including humans, focusing on nutrition, skeletons and muscles   **Be Enterprising**   * I understand the role money plays in my life and have learned about managing money   **Develop Independence**   * I recognise what good learning looks like and can describe the qualities of an effective learner | **Summer 3**  **Design and Make Products**   * I can use a growing range of tools and equipment safely, including some electrical tools   **Learn about and use Modern Technology**   * I can use search engines to find information and images and can select the most appropriate content for my purpose   **Learn About Science**   * I have learned about animals including humans, focusing on change   **Be Enterprising**   * I understand the role money plays in my life and have learned about managing money**.**   **Develop Independence**   * I can make choices about what to do with my free-time * I am developing a range of strategies to enable me to be independent in my learning |
| **Focus** | *Animals* | *Plants* | *Habitats* | *Life cycles* | *life stages* |
| **Autumn 2**  **Super Stars** | **EYFS/NC Learning objectives** | **Design and Make Products**   * I can safely use and explore a variety of materials * I can safely use and explore a variety of tools * I can safely use and explore a variety of techniques, * I can experiment with colour, design, texture, form and function.   **Learn about and use Modern Technology**   * I can recognise that a range of technology is used in places such as homes and schools. * I can select and use technology for particular purposes..   **Learn About Science**   * I know about similarities and differences in relation to places, objects, materials and living things. * I can talk about the features of my own immediate environment * I can talk about how environments might vary from one another. * I can make observations of animals and plants * I can explain why some things happen * I can talk about changes   **Develop Independence**   * I am try new activities * I can communicate that I like some activities more than others * I can communicate in a familiar group * I can communicate to say I do or do not need help | **Design and Make Products**   * I have worked in a group to follow a recipe.   **Learn about and use Modern Technology**   * I can understand and use different algorithms   **Learn About Science**   * I can identify parts of my body * I have learned about humans, focussing on nutrition and exercise   **Be Enterprising**   * I recognise the role money plays in my life. * I recognise how people’s lives are affected by how much money they have.   **Develop Independence**   * I know some ways of looking after myself | **Design and Make Products**   * I have tasted and ranked different food products based on my own preferences * I have helped to prepare or cook a range of sweet and savoury foods. * I have experimented with combining tastes to see which work well together and which don’t   **Learn about and use Modern Technology**   * I can use technology to capture and create images and sound. * I can use the internet to find information and pictures linked to other areas of learning   **Learn About Science**   * I have learned about animals, including humans, focussing on reproduction, nutrition and exercise * I can compare the uses of everyday materials and how they can be changed   **Be Enterprising**   * I have taken part in class enterprise projects; considering different ways of raising money and making my own suggestions.   **Develop Independence**   * I know some strategies I can use to help me with my work if I get stuck | **Autumn 2**  **Design and Make Products**   * I can follow a recipe. * I can use a growing range of tools and equipment safely, including some electrical tools   **Learn about and use Modern Technology**   * I can code using a range of software and apps * I can understand and use more complex algorithms.   **Learn About Science**   * I have explored earth and space, looking at the movement of the sun, earth and moon   **Be Enterprising**   * I have helped to run a class business, working collaboratively within the team to suggest ideas and make decisions   **Develop Independence**   * I can use a set of success criteria to help me identify how successful I have been at a particular task. |
| **Focus** | *Who is my hero? / people who help us (Family & school)* | *Hero’s around us* | *Amazing human body / Amazing people* | *People who influence our lives…* |
| **Spring 2**  **How Things Work** | **EYFS/NC Learning objectives** | **Design and Make Products**   * I can safely use and explore a variety of materials * I can safely use and explore a variety of tools * I can safely use and explore a variety of techniques, * I can experiment with colour, design, texture, form and function.   **Learn about and use Modern Technology**   * I can recognise that a range of technology is used in places such as homes and schools. * I can select and use technology for particular purposes..   **Learn About Science**   * I know about similarities and differences in relation to places, objects, materials and living things. * I can talk about the features of my own immediate environment * I can talk about how environments might vary from one another. * I can make observations of animals and plants * I can explain why some things happen * I can talk about changes   **Develop Independence**   * I am try new activities * I can communicate that I like some activities more than others * I can communicate in a familiar group * I can communicate to say I do or do not need help | **Design and Make Products**   * I have followed instructions to make products from different materials. * I have used a range of construction toys to make models   **Learn about and use Modern Technology**   * I can create simple documents on a computer, using Word   **Learn About Science**   * I have observed changes across the four seasons and looked at different types of weather * I can identify and name a range of animals and understand how and why they are grouped   **Be Enterprising**   * I know the relative value of British coins and notes * I am developing an understanding of the value of different everyday items and have compared items in terms of their value   **Develop Independence**   * I can look after my own possessions | **Design and Make Products**   * I have used arrange of construction toys to make models. * I can make changes and improvements to my models as I am going along * I can use tools and other equipment safely, with supervision where appropriate   **Learn about and use Modern Technology**   * I can create, test and amend a set of instructions for a programmable toy * I can write a simple program and test it * I can use technology safely and know how to respond if I see content that worries or upsets me.   **Learn About Science**   * I have learned about forces and magnets * I can compare uses of everyday materials and how they can be changed   **Be Enterprising**   * I am developing an understanding of the value of different everyday items and have compared items in terms of their value   **Develop Independence**   * I can speak for myself to make sure my opinion is heard or so I can get what I want or need | **Spring 2**  **Design and Make Products**   * I have explored mechanisms with moving parts to understand how the movement is achieved and what it does. * I have made mechanisms with simple moving parts   **Learn about and use Modern Technology**   * I can create simple programs, including using sequence, selection and repetition.   **Learn About Science**   * I have learned about electricity, including circuits * I have learned about forces and magnets   **Be Enterprising**   * I have learned about marketing techniques and have evaluated the success and impact of different advertisements.   **Develop Independence**   * I can identify next steps in my learning |
| **Focus** | *My body* | *Lifestyles* | *Money* | *Technology* |
| **Summer 2**  **Our World** | **EYFS/NC Learning objectives** | **Design and Make Products**   * I can safely use and explore a variety of materials * I can safely use and explore a variety of tools * I can safely use and explore a variety of techniques, * I can experiment with colour, design, texture, form and function.   **Learn about and use Modern Technology**   * I can recognise that a range of technology is used in places such as homes and schools. * I can select and use technology for particular purposes..   **Learn About Science**   * I know about similarities and differences in relation to places, objects, materials and living things. * I can talk about the features of my own immediate environment * I can talk about how environments might vary from one another. * I can make observations of animals and plants * I can explain why some things happen * I can talk about changes   **Develop Independence**   * I am try new activities * I can communicate that I like some activities more than others * I can communicate in a familiar group * I can communicate to say I do or do not need help | **Design and Make Products**   * I can stick pieces together in different ways to make strong products. * I can make changes and improvements to my models as I am going along   **Learn about and use Modern Technology**   * I can understand simple algorithms * I can create, test and amend a set of instructions for a programmable toy.   **Learn About Science**   * I know which parts of my body are linked to my senses * I can identify and name a range of animals and understand how and why they are grouped. * I can identify and name plants and look at their basic structure   **Be Enterprising**   * I recognise the role money plays in my life * I recognise how people’s lives are affected by how much money they have   **Develop Independence**   * I can look after my own possessions | **Design and Make Products**   * I can use tools and other equipment safely, with supervision where appropriate.   **Learn about and use Modern Technology**   * I have made short, digital animations and videos.   **Learn About Science**   * I have explored living things and their habitats * I have observed how seeds and bulbs grow into plants and what plants need to stay healthy * I have learned about animals, including humans, focusing on reproduction   **Be Enterprising**   * I have made items to sell and helped to decide how much they are worth * I have created packaging and adverts for products   **Develop Independence**   * I am starting to take responsibility for being in the right place at the right time and for doing the right thing | **Summer 2**  **Design and Make Products**   * I have learned different techniques for joining materials.   **Learn about and use Modern Technology**   * I can recognise acceptable and unacceptable behaviour online. * I can use technology to communicate with people and know how to do so safely   **Learn About Science**   * I have learned about animals including humans, focusing on eating, teeth, the digestive system and the food chain   **Be Enterprising**   * I understand the terms profit and loss * I understand the role money plays in my life and have learned about managing money   **Develop Independence**   * I can ask and answer questions about a range of topics in order to further my own learning |
| **Focus** | *Local community* | *England* | *Great Britain* | *Europe* |