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| C:\Users\hbarber\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FC19BCA7.tmp  **Design and Food Technology Long Term Plan 22/23**  Key – Food Technology Structures Mechanisms Textiles | | | | |
|  | Autumn | | Spring | Summer |
| Y1 | Nibbles has escaped! You mission is to design and create a tasty but healthy meal for Nibbles so that you can catch him and put him back into his cage! How will you make sure your meal is healthy and balanced? | | The mammoth has escaped from the museum! Can you design and make a cage to help Oscar catch the mammoth and return him to the museum? | The toys are lost in space! They are starting feel sad and want to return home to their garden. Can you design and make a rocket to help them to orbit the Earth and return safely to their garden? |
| Y2 | Timothy and Tabitha have swapped places! You must design and make your own troll so that you can go and find Tabitha in the troll world and bring her back to her mummy and daddy. Your troll must be messy and mucky, and a little bit scary! It must look bright and colourful like Timothy and have interesting shapes and patterns. | | Pudding Lane is on fire! The fire services have asked you to help them by designing and making a functional fire engine. Your design must include features of a fire engine and use axels to help your vehicle move. Can you help to save the day? | The Last Wolf is all alone and getting a little bit peckish! Can you design and make a snack for the wolf to eat. Your design must be a balanced plate and look bright and tasty. How many different coloured ingredients can you use? |
| Y3 | You must design a shelter that can protect Ivan as he walks through the woods to save his brother. Remember that Ivan needs to be kept safe and dry. Make a replica version that Ivan can use as a model. |  | The villagers need help making a meal. Can you help to create a stone age soup to feed the village? Your soup must be healthy and use vegetables that were available during this period. How many different vegetables can you include? | There is no way to cross the moat! Think about structures that may help you to cross over water. Your structure must be strong and sturdy. Your structure must also use a pulley mechanism to allow your bridge to be functional. |
| Y4 | You have been asked to design an item of clothing that is eco-friendly. The could be using recycled, organic or natural materials. Your designs will be given to our school Eco Council to decide which designs are the most environmentally friendly but also appealing to a current market. Which materials do you think would be the most suitable? | | The volcano is about to erupt and destroy the town and all of its buildings. Can you help to build a wall or barrier around the volcano to help save the town. You will need to test the strength and durability of your wall with a real volcano! Can you help to save the town? | You have been learning about fruits that are grown outside of the UK. These fruits are tasty but can also contain high levels of sugar. Can you design and make a healthy fruit kebab using fruits from outside of the UK, but you must also consider the sugar content for your design. Which fruits will be the best to use in your design? |
| Y5 | Female inventors  Design and make a stable structure | | The Vikings need you to help them by designing and making an effective pouch for a Viking to wear during their journey. You must consider materials and design for suitability as well as making your pouch look effective. What kind of stiches are you able to use when making your pouch? | You have been given the task to design and make a new chocolate bar and wrapper to sell at the summer fayre. How can you make your product look appealing? What ingredients will you include to make your chocolate bar tasty? |
| Y6 | The war has started and lots of families are looking for a safe shelter. Can you help to design and make a functional air raid shelter for a family and their pet dog to help to keep them safe? Your shelter must be strong and sturdy and you must consider the best materials to achieve this. How will you make sure that your shelter can be hidden within a landscape? | | Our playground is undergoing some changes. Mr McDowell and the governing body has asked you to research, design and make a prototype for new playground equipment. You must design and build a range of play apparatus and consider the suitability of your structures for the ages of the children in our school. | Your journey at Shavington Primary School is coming to an end and it is nearly time to say goodbye! To remember your special time at Shavington, and to remember all your primary school friends, you will design and make a memory bear; which your friends will be able to sign, and you will be able to take with you when you leave. You bear must look appealing, be designed to allow your friends to sign it and be securely stitched to ensure it is strong and holds the stuffing securely. |