

Design Technology AUTUMN 2 MTP/STP Year 5/6 Reduce Reuse Recycle

W/B 8th November	W/B 15 th November	W/B 22 nd , 29th November + 6 th December	13 th December	19 th December
MyLO – To discuss the importance of eliminating waste – Reduce, Reuse and Recycle. 1) Display an image of David Attenborough on the board – ask the children to discuss who he is and why he is so well known – share children's thoughts and ideas. 2) Use life on our planet power point slides 3-6 to share information on David Attenborough. 3) Watch: https://www.youtube.com/watch?v=0Puv0Pss33M - David Attenborough explains how the world has changed and how we can try to help it in the future. 4) Print out the questions from slide 8 for the children to stick in their books and answer as you go through the rest of the power point, discussing ideas mentioned in the video further and breaking them down to the three R's. 5) Children to choose from challenge 2 or 3 on slide 30 and complete in their books.	MyLO: To produce something useful through up-cycling. Session1: Make a thought shower with the class of things we could make using items that would normally be thrown away or put into the recycling bin. some suggestions could be: - bird feeders (using old milk bottles) - planters (using plastic bottles or tin cans) - wind chimes (using tin cans) - art piece/sculpture (which could be displayed around school) - a game for younger children (preschool) - pen pot holder (kitchen roll tubes) Discuss and share ideas as a class as well as noting what materials may be needed for the different ideas.	D and T - MYLO: To design and make something useful through up cycling. Session 2: Children to work in pairs to design their up-cycling project (they may choose from one of the ideas thought up in the previous session) Complete activity sheet my final design or design technology project booklet. Children need to consider the materials they will need and the purpose of their up cycled project. In their pairs they need to decide who will bring in the different materials needed (shared) – in order to collect and bring into school for the following session. Session 3 In pairs, construct their design using a range of upcycled materials, cutting, shaping and joining techniques. Consider the aesthetics of the product and suitable finishing techniques. Session 4: Share products made and evaluate against design criteria. Celebrate successes and suggest improvements for the designing and making stage.	D and T - MYLO: To produce something useful through up cycling. Recycled penguins 1. Use the bottom of 2 plastic bottles / jars / plastic cups. 2. Stick them together and cover in white acrylic paint. 3. Draw a heart shape for the face and tummy to leave white. 4. Paint a hat and scarf in a bright colour. 5. Paint the rest of the penguin in black (its back). 6. Add details – eyes, beak, pattern on hat and scarf. 7. Stick a pompom on top of the hat. D&T Recycled Penguin and Christmas Garland Alternatively = mini-Christmas up-cycling projects: D&T Recycled penguin and garland Materials: plastic bottles/jars, paint, glitter, cardboard, string/yarn, mini bells, buttons	MYLO: To learn and apply cutting, shaping and joining techniques. Create a Christmas Card 1. Read through Christmas Card Activity Ideas 2. Decide which one you would like to try and create your card. 3. To make the pop up tree, you can use the template below # Christmas Tree Paper Circuit Scrap Ribbon Christmas Tree Craft Materials Required: • Green and red beads • Thread • Needle • Ribbons • Star • Glue Step 1: Thread the Button Take the thread, and carefully insert it inside the bead with the other end of the thread attached to the needle. Step 2: Insert in The Ribbon Insert the needle at one end of the ribbon so there will be bead on one side of the ribbon and thread on the other side. Step 3: Fold and Insert Add another bead. Then fold the ribbon and insert it in the needle, on top of the bead. Step 4: Repeat the step 3 till the other end of the ribbon. Alternate the colour of the beads so that it looks attractive. Each time you fold the ribbon, reduce the size so that it will look like a Christmas tree. Step 5: Tie the Thread Once you've reached the other end of the ribbon, tie the thread in the end so that it stays Step 6: Attach the Star Take the star, and with the help of the glue stick the existing thread to it. Then take another thread, fold it and attach both the ends to the star so that you can hang it somewhere. D&T Scrap ribbon Christmas tree decoration