

# Curriculum Plan

## Y8 Technology & PSHE Rotations (Product Design)

		Week 1	Week 2	Week 3
How you will access home learning		In year 8 you will complete a 6 week rotation in Food, Textiles, Product Design and PSHE, the work for each week is detailed here and is also stored in Microsoft teams, called your form & technology eg 8AR Technology. You will need to check classwork on SMHW which will tell you which week you are doing on a specific date and then the home learning can be found in MS teams files section.		
How you be able to interact with your teacher and gain feedback on your work		The resources in MS teams will have resources uploaded by your teacher explaining what work you would be doing in school and where possible this needs to be completed at home, however we do understand that some practical activities may not be able to be done at home, in this case there may be a video for you to watch showing the practical skill you would have been learning in class. There may also be some paper based design work or worksheets for you to complete at home, again in the files in MS teams.		
<b>Retrieval</b> How we will help you to recall previously learnt knowledge		Answer the following questions; What is electricity? How can electricity be stored?? Can you name any components used in electric circuits?	Answer the following questions; What is a resistor? Where does the gold band on the resistor go? What are the steps to soldering?	Answer the following questions; What should a well soldered joint look like? What is a Dill Socket used for? What does LED stand for?
<b>New Learning</b>	What you will be learning about this week	You will be learning how to drill and populate a PCB. This will involve learning how to use a PCB Drill and a Soldering iron. You will develop an understanding of the following components; PCB, Resistor and LDR .	You will continue to develop your skills in populating a PCB. You will develop an understanding of the following components; PCB socket, Dil Socket, Battery snap and LED.	You will continue to develop your skills in populating a PCB. You will develop an understanding of how a Microcontroller is programmed and how this can be transferred from the computer to your circuit board.
	How we will teach the new knowledge or ideas	PowerPoint, teacher demonstrations, video demonstrations and practical activities.		
	Activities that will help you learn and practice what you've been taught	You will produce a circuit board which will then be programmed to make your lights flash wither automatically when it gets dark, or manually when you press a switch.		
	What you can do if you are stuck	Use the resources in MS teams, check the classwork set on SMHW to see what you need to do. You can also e-you're your teachers; <a href="mailto:awragg@notredame-high.co.uk">awragg@notredame-high.co.uk</a> , <a href="mailto:egreen@notredame-high.co.uk">egreen@notredame-high.co.uk</a> , <a href="mailto:fgennard@notredame-high.co.uk">fgennard@notredame-high.co.uk</a> , <a href="mailto:crollinson@notredame-high.co.uk">crollinson@notredame-high.co.uk</a> , <a href="mailto:jbaggaley@notredame-high.co.uk">jbaggaley@notredame-high.co.uk</a> , <a href="mailto:mowczarek@notredame-high.co.uk">mowczarek@notredame-high.co.uk</a> , or <a href="mailto:rquinn@notrdame-high.co.uk">rquinn@notrdame-high.co.uk</a> , please be specific in the help you need to enable them to give you appropriate feedback.		

		Week 4	Week 5	Week 6
How you will access home learning		In year 8 you will complete a 6 week rotation in Food, Textiles, Product Design and PSHE, the work for each week is detailed here and is also stored in Microsoft teams, called your form & technology eg 8AR Technology. You will need to check classwork on SMHW which will tell you which week you are doing on a specific date and then the home learning can be found in MS teams files section.		
How you be able to interact with your teacher and gain feedback on your work		The resources in MS teams will have resources uploaded by your teacher explaining what work you would be doing in school and where possible this needs to be completed at home, however we do understand that some practical activities may not be able to be done at home, in this case there may be a video for you to watch showing the practical skill you would have been learning in class. There may also be some paper based design work or worksheets for you to complete at home, again in the files in MS teams.		
<b>Retrieval</b> How we will help you to recall previously learnt knowledge		Answer the following questions; What is Pixar? What movies do they make? What makes Pixar unique?	Answer the following questions; What is Alessi? What does they make? What makes their products unique?	Answer the following questions; What was the software used to create designs for the laser cutter? What is CAD? What is an advantage and disadvantage of CAD?
<b>New Learning</b>	What you will be learning about this week	You will develop your drawing skills and create 8 designs. 4 in the style of Pixar and 4 in the style of Alessi. You will learn who Pixar is and Alessi, and what makes them unique.	You will learn how to create your designs on CorelDraw. You will learn how use the tools in CorelDraw: 3-point curve, virtual segment delete, rectangle, ellipse and pick.	You will learn how to line bend acrylic and connect two pieces of acrylic together with Tensol cement. You will further gain knowledge of CorelDraw by creating a card design to be laser cut.
	How we will teach the new knowledge or ideas	PowerPoint, teacher demonstrations, video demonstrations and practical activities.		
	Activities that will help you learn and practice what you've been taught	Create designs from a design company and emulate their style.	Create different designs on CorelDraw that can be laser cut. These could be holiday decorations, gift cards or signs for doors.	
	What you can do if you are stuck	Use the resources in MS teams, check the classwork set on SMHW to see what you need to do. You can also e-you're your teachers; <a href="mailto:awragg@notredame-high.co.uk">awragg@notredame-high.co.uk</a> , <a href="mailto:jbaggaley@notredame-high.co.uk">jbaggaley@notredame-high.co.uk</a> , <a href="mailto:kdarkin@notredame-high.co.uk">kdarkin@notredame-high.co.uk</a> , <a href="mailto:mowczarek@notredame-high.co.uk">mowczarek@notredame-high.co.uk</a> , <a href="mailto:rquinn@notredame-high.co.uk">rquinn@notredame-high.co.uk</a> , <a href="mailto:ecarrigan@notredame-high.co.uk">ecarrigan@notredame-high.co.uk</a> , please be specific in the help you need to enable them to give you appropriate feedback.		