



Subject:

DT

Module 3

Kenny's Design Project

Overarching Topic:

Why is this topic being studied at this time?

There are many variables that keep RWS running at the high standards that it does and our site team is at the heart of them. With their endless hard work we are lucky to have them however; we feel that their working lives could be significantly improved with the introduction of some of our young, budding designer's ideas.

How does it fit into the wider subject curriculum?

This project is being started at this time due to the fact that their designing skills are beginning to develop their knowledge of their wider school environment. It provides them with a very board context which enables them to develop a wider range of design skills.

	Critical	Core	Pinnacle
<p>The Big Questions (What questions will students be able to answer upon mastery of the topic?)</p>	<ul style="list-style-type: none"> • Can I identify different strategies to present my thoughts (mind map)? • Can I understand ACCESS FM? • Can I create a basic, one sentence design brief? • What jobs do our caretakers undertake on a daily basis? • Can I identify the different environments that they work in? • Can I create a very basic model for my product? 	<ul style="list-style-type: none"> • Can I analyse existing products using ACCESS FM? • Can I use an environmental snapshot to analyse my target market further and gain a better understanding of how my product may be used? • Can I use basic modelling materials and techniques to present my ideas to my teacher in a physical format? • Can I create a moderately detailed design brief for my project? • Can I identify the definitions of ergonomics and anthropometrics? 	<ul style="list-style-type: none"> • How much can a school truly cater to the caretakers needs? • Can I create an extensively detailed brief including results and outcomes of the design and the potential business ambitions if my product were to be taken further? • Can I include anthropometrics and ergonomic considerations throughout my product ensuring all areas are best suited to aid an individual in their working environment? • Being able to apply their understanding of the problems that they have identified within the project to influence what design they are going to make

The Key Skills/ Techniques	The sophistication and application of skills will become more advanced as students' progress through the critical, core and pinnacle knowledge.	
	Skill/Technique	How will this skill be developed?
	Technical vocab	To use ACCESS FM as a scaffold for product analysis
	Measuring	Measuring activity using tape measures and rulers to find their own anthropometric data in mm and cm.
Modelling techniques	Vague practical skills Net skills Reinforcing materials	