



**St Mary's Catholic School**

**12ADt1**

**Wednesday 1<sup>st</sup> April P5 & Thursday 2<sup>nd</sup> April P6**

**D&T**

Hello all,

Hope you're all getting on well. I know last week's work load I gave you was big and theory heavy, this was what I had been planning if I was in to teach you. So, the next 2 lessons are going to be a little more exploratory and imaginative. I hope you have a good sift through the possibilities for the task, find something I haven't heard of before and also create something innovative of your own...

Speak soon.

### **Previous Learning**

We have been working on a section of your Technical Principles called Modern and Industrial Scales of Practice. We will soon be looking at a more sustainable focus including the 6R's, this task is set to help you explore Product Design which focuses on sustainability and environmental challenges allowing for creative thought.

**Time allowance: 2 lessons + 2 homework (up to 4 hours)**

### **Tasks**

1. As you are aware, it is a designer's obligation to consider the environmental impact of their products, some do this better than others. Use the following link (<https://www.demilked.com/clever-eco-friendly-ideas/>) to see a variety of simple changes to a product, its packaging or a way of reusing a product at the end of its 'first life'. Simple and different ways of thinking can have a huge effect on the environment e.g. how much LDPE would be saved if newspaper was used for fruit and veg packaging in England alone? Or how many new plants could be grown from labels which are biodegradable and contain seeds? What about the concept of using waste materials or products to create a product associated with its use e.g. the coffee grounds cup or the tin snips for the iron gate... so innovative. Maybe it's a product which simply changes how the user thinks about their own impact on the environment e.g. the waste paper bin with the basketball hoop to encourage use rather than litter. Spend some time really considering the thinking and impact of the products on this page.
2. Find 8-10 more products or innovations which you think help to lessen the impact of products on the environment or promote more responsibility by the user for their environmental impact. Try and find examples which we will not have seen before. Create a page(s) which shows each of the products you have found and explains for each, why you like them and how they are positive for the environment.
3. Create your own small change idea, new product idea or even a reuse idea for another product. Sketch your idea, use multiple views to explain, add colour / rendering, add annotations to explain ACCESSFMM where applicable.

I look forward to seeing your findings and your ideas!

Mrs McVay.