A Level D&T

Our current 5th form have started their research project with the use of both Autodesk products ‘Fusion 360’, and ‘Sketch Book’. This is allowing our Stoics to develop their CAD skills to an A Level Standard, and should your son or daughter wish to complete some further work between now and September, then they can download free versions of the software through these links:

<https://sketchbook.com/>

and

<https://www.autodesk.co.uk/products/fusion-360/students-teachers-educators>

Further to the computer programmes, there are some excellent tutorials and articles available online, and a list of them can be utilised through:

***Autodesk support***

[1. blogs.autodesk.com/sketchbookpro/2d-3d-contextual-cues/](https://blogs.autodesk.com/sketchbookpro/2d-3d-contextual-cues/)

Sketchbook2D/3D – CONTEXTUAL CUES  
2. [blogs.autodesk.com/sketchbookpro/10-tips-for-product-design-sketching-with-filip-chaeder/](https://blogs.autodesk.com/sketchbookpro/10-tips-for-product-design-sketching-with-filip-chaeder/)  
Sketchbook10 TIPS FOR PRODUCT DESIGN SKETCHING WITH FILIP CHAEDER  
3. [blogs.autodesk.com/sketchbookpro/sketching-early-architectural-renders-with-frank-zhang/](https://blogs.autodesk.com/sketchbookpro/sketching-early-architectural-renders-with-frank-zhang/)  
Sketchbook ArchitectureSKETCHING EARLY ARCHITECTURAL RENDERS WITH FRANK ZHANG  
4. [blogs.autodesk.com/sketchbookpro/industrial-design-product-rendering-tutorial/](https://blogs.autodesk.com/sketchbookpro/industrial-design-product-rendering-tutorial/)  
Sketchbook Product DesignINDUSTRIAL DESIGN PRODUCT RENDERING TUTORIAL  
5. [blogs.autodesk.com/sketchbookpro/perspective-guides-using-two-point-perspective-for-drawing-interiors/](https://blogs.autodesk.com/sketchbookpro/perspective-guides-using-two-point-perspective-for-drawing-interiors/)  
Sketchbook Interior DesignPERSPECTIVE GUIDES: USING TWO-POINT PERSPECTIVE FOR DRAWING INTERIORS  
6. [blogs.autodesk.com/sketchbookpro/perspective-guides-how-to-draw-architectural-street-scenes/](https://blogs.autodesk.com/sketchbookpro/perspective-guides-how-to-draw-architectural-street-scenes/)  
Sketchbook ArchitecturePERSPECTIVE GUIDES: HOW TO DRAW ARCHITECTURAL STREET SCENES  
7. [blogs.autodesk.com/sketchbookpro/john-frye-takes-the-fast-lane-with-sketchbook/](https://blogs.autodesk.com/sketchbookpro/john-frye-takes-the-fast-lane-with-sketchbook/)  
Sketchbook Automotive DesignJOHN FRYE TAKES THE FAST LANE WITH SKETCHBOOK  
8. [www.youtube.com/watch?v=Y7OXLIE9Gf4](http://www.youtube.com/watch?v=Y7OXLIE9Gf4)  
Sketchbook Product DesignLearn To Draw Products in Perspective  
9. [blogs.autodesk.com/sketchbookpro/eelco-siebring-solving-design-problems/](https://blogs.autodesk.com/sketchbookpro/eelco-siebring-solving-design-problems/)  
Sketchbook Product DesignEelco Seebring: Solving Design Problems  
10. [www.youtube.com/watch?v=vuZN7nv9\_mg](http://www.youtube.com/watch?v=vuZN7nv9_mg)  
Sketchbook Product DesignSketchbook Pro Tutorial Part 1  
11. [www.youtube.com/watch?v=w2IZGpbVh-c](http://www.youtube.com/watch?v=w2IZGpbVh-c)  
Sketchbook Product DesignSketchbook Pro Tutorial Part 2 - How to sketch a product  
12. [www.youtube.com/watch?v=LHn\_D0wunes](http://www.youtube.com/watch?v=LHn_D0wunes)  
Sketchbook Conceptual ArtMy process conceptual artwork  
13. [www.youtube.com/watch?v=DVdmwz-mBxg](http://www.youtube.com/watch?v=DVdmwz-mBxg)  
Sketchbook Product DesignReid Schegel: Redesigning New York City Hot Dog Cart  
14. [www.youtube.com/watch?v=RT8HqoF5tXs](http://www.youtube.com/watch?v=RT8HqoF5tXs)  
Sketchbook Product DesignIndustrial Design Sketching a Door Handle Challenge

***Fusion 360:***

The following link will offer all the help and support one needs to master the CAD programme

<https://www.youtube.com/user/TheKHaug>

I also include a PDF version of our own textbook to support students in their pursuit of understanding the theoretical strands Product Design. Alongside this, I would wholeheartedly recommend looking at the following books for further inspiration:

*Product Design,* – ISBN 3-89985-183-8

*Design Secrets: Products* – ISBN 1-56496-476-0

*Designs of the Times* – ISBN 2-88046-816-7

Koos Eissen and Roslien Steur, *Sketching* – ISBN 9-78906369-533-0