# Seneca Study Pack

Click on link below- All sections of D&T theory covered – Easy to use saves progress automatically.

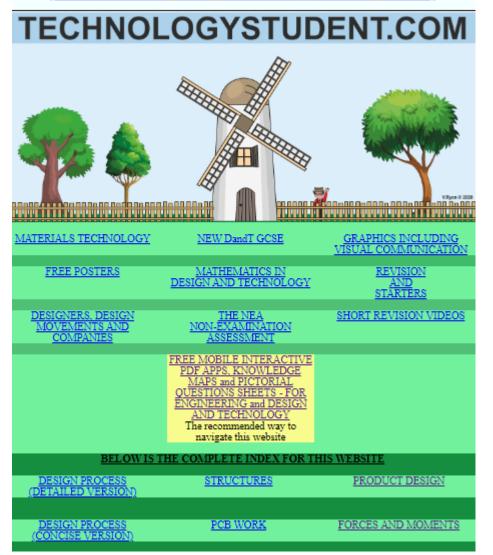
https://app.senecalearning.com/dashboard/class/ff0q16wp6j/assignment/s4aa3eb4-ade0-4b4e-9f29-fcef1cad5ff0



#### ENGINEERING - DESIGN AND TECHNOLOGY

This website contains numerous information sheets and exercises to enhance the study, understanding and teaching of DESIGN and TECHNOLOGY. ENGINEERING is a major aspect of this website.

( CLICK HERE FOR THE WORLD ASSOCIATION OF TECHNOLOGY TEACHERS)



## **Technology Student**

Click on link below- Website dedicated to all things Design Technology based.

Excellent range of resources for both theory and NEA.

### https://technologystudent.com/index.htm

### WHY INFORMATION COMMUNICATION TECHNOLOGY IS A VITAL MARKETING TOOL WITH REFERENCE TO THE DVD / CD INDUSTRY

PDF FILE - CLICK HERE FOR PRINTABLE WORKSHEETS

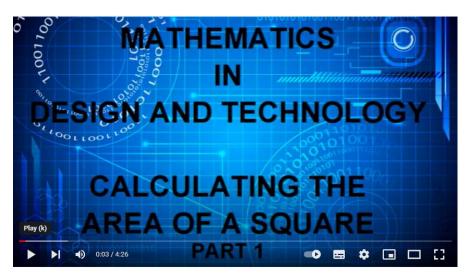
Using information Communication Technology (ICT), is crucial to most businesses, regardless of size. It is important to a company aiming to expand and to improve efficiency. The use of good ICT also improves customer services and customer demand.

From database development, website design to market research, translation software, direct mail marketing and training, the application of ICT is critical for a economic





The internet is one of the ways in which media companies to businesses advertise. The main form is advertisements or prompts' on media focussed websites. One example is the trues website, through which millions of people purchase and download music. The site automatically recommends similar CDs. J DVDs to the one being purchased by the customer. This is direct marketing, taylor-made for the individual customer. Precise and deliberate programming ensures that the customer is directed potential to further protential purchases. Furthermore, previous customer purchases are recorded, allowing the software to build an accurate customer profice on each I-Tume member.



#### AREAS

VIDEO - CALCULATING THE AREA OF A SQUARE
PDF FILE - Area of a Square and Associated Examination Questions

VIDEO - CALCULATING THE AREA OF A RECTANGULAR PRISM PDF FILE - Area of a Rectangle and Associated Examination Questions

VIDEO - CALCULATING THE AREA OF A CIRCLE AND CIRCUMFERENCE
PDF FILE - Area and Circumference of a Circle and Associated Examination Question

VIDEO - CALCULATING THE AREA OF A TRIANGLE
PDF FILE - Area of a Triangle and Associated Examination Question

PDF FILE - Moments of Force - Equilibrium (LINKED TO RATIOS)
PDF FILE - Ratios and Associated Examination Questions

#### VOLUMES

VIDEO - CALCULATING THE VOLUME OF A CUBE
PDF FILE - WORK BOOKLET - Calculating the Volume of a Cube

VIDEO - CALCULATING THE VOLUME OF A RECTANGULAR PRISM
PDF FILE - WORK BOOKLET- Calculating the Volume of a Rectangular Prism

VIDEO - CALCULATING THE VOLUME OF A CYLINDER
PDF FILE - WORKS BOOKLET- Calculating the Volume of a Cylinder

VIDEO - CALCULATING THE VOLUME OF A CONE
PDF FILE - WORK BOOKLET - Calculating the Volume of a Cone

VIDEO - CALCULATING THE VOLUME OF A REGULAR PYRAMID
PDF FILE - Calculating the Volume of a Regular Pyramid

PDF FILE - Volume of a Sphere

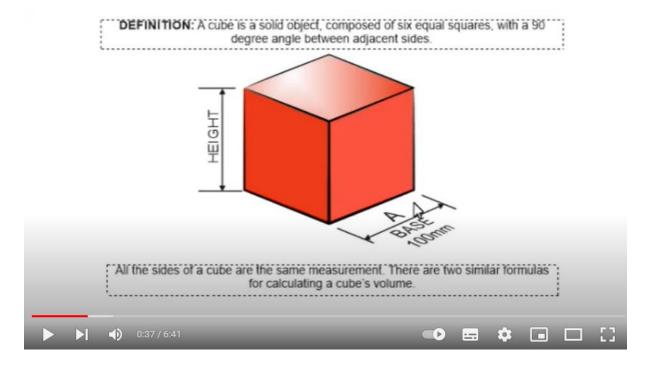
#### MATHEMATICS REVISION CARDS

(This sub-section is under development) Revision Cards - Volumes

## Maths Study Pack

Click on link below- Part of the Technology Student website. Excellent range of resources for all things maths related with excellent links to videos.

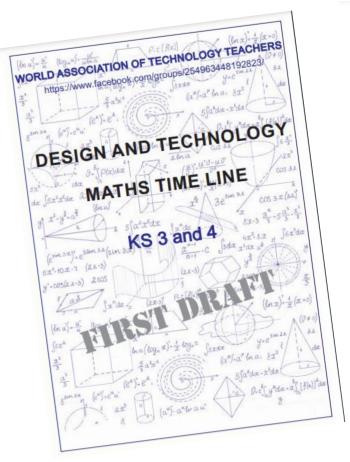
https://technologystudent.com/despro\_flsh/new\_maths1.html



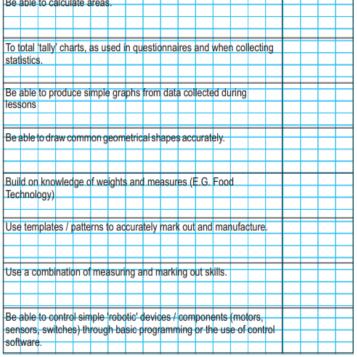
## Maths timeline - Study pack

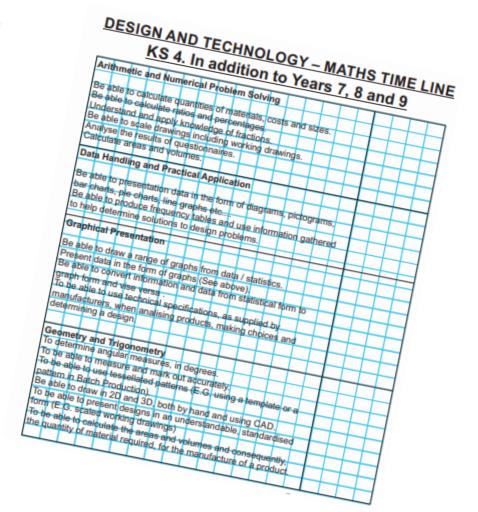
Click on link below- Timeline booklet for KS3/KS4 maths starting with the basics and progressing to more complex equations.

### https://technologystudent.com/pdf14/maths\_time\_line1.pdf



#### DESIGN AND TECHNOLOGY – MATHS TIME LINE Year 8. In addition to Year 7

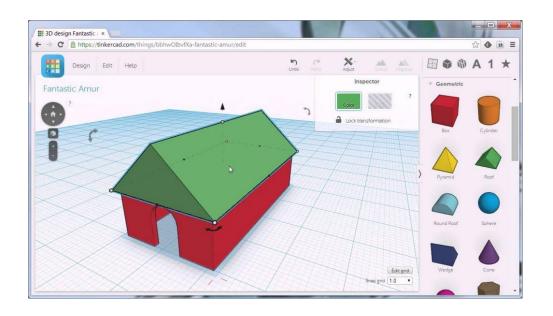




### **CAD Skills**

Click on link below- Tinkercad is a free-of-charge, online 3D modelling program that runs in a web browser. popular platform for creating models for 3D printing as well as an entry-level introduction to constructive solid geometry. Great range of video resources that can be accessed.

https://www.tinkercad.com/







## CAD skills - Google Sketch-up

Free 3D design software that makes 3D modelling for everyone, supported by library of how to videos

https://www.sketchup.com/plans-and-pricing/sketchup-free

