

Design Technology – Suggested Reading

Exploring Design and Technology for Key Stage 3 by Paul Anderson Hodder Education ISBN 1510481346

KS3 Design & Technology Study Guide: for Years 7, 8 and 9 CGP Books ISBN 1841467200

Project Based Books

Observational Sketching: Hone Your Artistic Skills by Learning How to Observe and Sketch Everyday Objects
Mariko Higaki ISBN 1631598880

Cabaret Mechanical Movement: Understanding Movement and Making Automata Gary Alexander ISBN 0952872935

Make: Electronics: Learning by Discovery: A Hands-On Primer for the New Electronics Enthusiast Charles Platt ISBN 1680456873

School Library Reading Books

<i>Woodworking for Dummies</i>	Jeff Strong	ISBN 780764539770
<i>The Complete Guide to Woodworking</i>	Stephen Corbett	ISBN 780754816638
Materials Science Plastics	Atlantic Europe	ISBN 781862143159
Materials Science Wood and Paper	Atlantic Europe	ISBN 781862143173
Materials Science Metals	Atlantic Europe	ISBN 781862143166

Design Technology – Learning Websites

https://www.bbc.co.uk/bitesize/subjects/z23vkhv	Technology and Design for all areas of D&T – Key stage 3 Years 7-9
https://www.bbc.co.uk/bitesize/guides/zbi8jty/revision/1	Electronic Systems online tests, quiz
http://electronicsclub.info/	Projects, components, circuit diagrams useful site for reference and learning about electronics
https://electronicsclub.info/components.htm	Components page of the electronics club website
www.technologystudent.com	A reliable site with lots of sections on all aspects of Design Technology and Systems
http://www.technologystudent.com/despro_flsh/mobapp4.html	Interactive learning of electronics – Recently updated to work better on mobile devices using an ‘app’. Really useful learning for the subject content.
http://www.technologystudent.com/pics/picdex1.htm	Learn about Programmable Microcontrollers
Electronics simulation Programs	
Circuit Wizard https://www.genieonline.com/	Pupils can install Circuit Wizard from school – Contact Mr Hodgson for the installation file. This is the program we use in school to simulate and construct electronics circuits. Requires a windows PC or laptop (not Chromebook or MAC)
https://www.tinkercad.com/	Sign up for an Autodesk account with your school email address or ask Mr Hodgson for your class code and nickname. Brilliant for 3d design for 3D printing. Use the ‘Circuits’ simulator. There are lessons and tutorials for many basic and advanced circuits. Excellent free resource ideal for KS3 years 7-9 used in school.

www.onshape.com	Free to access. 3D design cloud based software. App is available to use. Used in KS4 Engineering and D&T for producing assemblies of parts and drawings. Technical.
http://www.falstad.com/circuit/e-index.html	Circuit diagram Applet for simulations