

Home Learning Activities

Teacher: CHU

Design and Technology

KS4 (GLC)

2026-2027

Topic	Home Learning Activities	Online Learning Links	SMSC
Plastics	Watch the video link which talks about plastics and our environment. Look at products in your home that are made from plastic. Pick three products and give another material that they could be made from that is more sustainable.	How Plastic Affects Climate Change (youtube.com)	Sp M
Be Creative	Create a model of a bird from recycled materials that you can find around your home.	birds made from recycled materials - Google Search	M Sp C
Wood 1	Look at the link to different types of wood joint. Look at your furniture at home and identify what joints have been used in their manufacture. Write a list of the joints that you have seen and think about why that joint would have been used.	18 Types of Wood Joinery and When to Use Them (thespruce.com)	M
Sustainable Wood	Look up and research what FSC is in regards to wood. Write a page about what it is and why it is important for us to use FSC wood.	Home Page Forest Stewardship Council UK (fsc.org)	Sp M
Generating Ideas		designing a chair - Search Images (bing.com)	Sp C

	Draw out a design for three different chairs that you could make. Annotate each drawing with information about materials and dimensions.		
Wood 2	Research the difference between hardwood and soft wood and create a poster that explains the differences between the two and gives at least 3 examples of soft woods and hard woods.	Woods - Practical guide: Materials - National 5 Design and manufacture Revision - BBC Bitesize	M So

*Where possible, please send any completed work into school. If this is not possible, please e-mail photos to c.huxham@greenwood.hants.sch.uk

*If you have any difficulties with any of the tasks, please e-mail c.huxham@greenwood.hants.sch.uk for support