



Year 9 Design and Technology



Task	Details	Points
Urban Design	Use the website 'Street Mix' to explore urban design considerations. Write a 100 word review of your findings. https://streetmix.net/-/3425522	5pts
MAD museum	Find out about the MAD museum in Stratford Upon Avon and what it shows. Write a 100 word review of your findings.	5pts
Bicycle design	Find out how the bicycle has developed over the last 150 years and create an infographic timeline showing innovations in bicycle design. https://www.si.edu/stories/19th-century-bicycle-craze	10pts
Closed loop designing	Investigate the first ever recyclable sneaker and then see if you can find at least one other example of closed loop designing. Thousand Fell: Sneakers that Close the Loop reflow.	10pts
Visit	Visit Tower Bridge and take a tour of how it works. Produce a sketch of the mechanism that makes it open and close.	15pts
Car design	Challenge yourself to draw a car in tinkercard or onshape. Make it look realistic! Ask a teacher to get it 3D printed.	15pts
Skyscrapers	Research the history of skyscrapers, including why they were invented and how they are prevented from leaning. Create a presentation of your findings.	15pts
Automata	Build an AUTOMATA (see the MAD museum) from plans found online (example here). You could do this at home with supervision from an adult, or use the school workshops	20pts
Bridge design	Construct a model of an iconic bridge from materials of your choice, and have it displayed in the technology corridor.	20pts