



The Rudheath Senior Academy

Year 7

# Year 7 Design & Technology

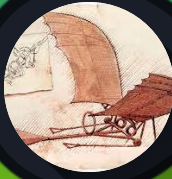
What are foundation skills?



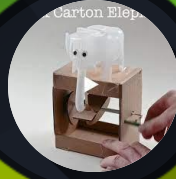
What are health and safety rules?



How did Leonardo da Vinci design a flying machine?



Toys from trash?



Can technology save the planet?



How do we generate energy?



Can junk become funk?



What is SCAMPER?



Will robots take over the world?



What are systems and controls?



To Year 8 ...



The Rudheath Senior Academy

# Year 8 Design & Technology

Year 8



What are client needs, wants and values?

What is dye sublimation?



A life without textiles?

How do I sew a phone pillow?



How do products evolve?

What is market pull v technology push?



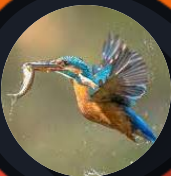
What is automation?

Can design make life easier?



What is biomimicry?

How will we communicate our ideas in the future?



To Year 9 ...



The Rudheath  
Senior Academy

# Year 9 Design & Technology

Year  
9

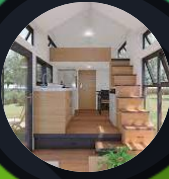
What is  
prototyping?



How do I read  
from plans?



What are tiny  
homes?



What are  
client needs,  
wants and  
values?



How do I join  
polymers?



How do I join  
timber?



How do I join  
textiles?



How do I join  
meta?



Can junk become  
funk?



How are band t  
shirts printed?



To Year 10 ...



The Rudheath Senior Academy

Year 10

# Year 10 Design & Technology

What is the NEA?

AQA

How do we cost up projects?



What are material properties?



How do we finish materials?



How do we analyse products?



What is third angle orthographic projection?



What is a contextual challenge?



How do we identify design opportunities?



NEA release

AQA

NEA contextual analysis

AQA

To Year 11 ...



The Rudheath  
Senior Academy

Year  
11

# Year 11 Design & Technology

NEA

AQA

AQA

NEA

NEA

AQA

AQA

NEA

Materials



Processes

Energy



Automation

Revision and exam  
preparation

REVISION

REVISION

Revision and  
Exam  
preparation