

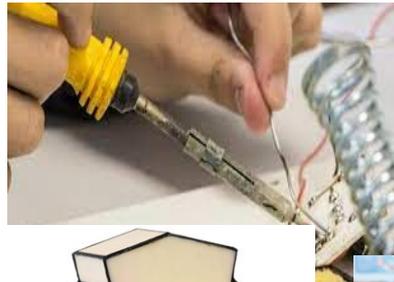
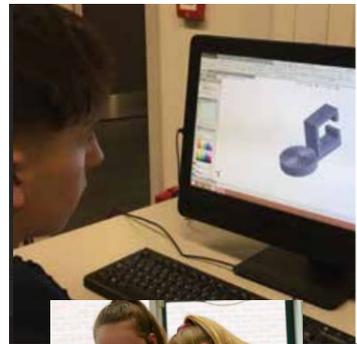
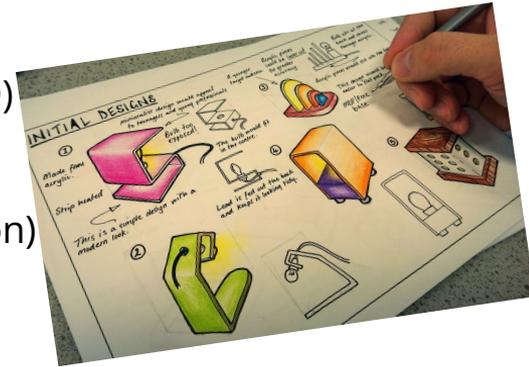
3D Design Technology

K McDonald

Qualification overview

- **Exam board** - **AQA** (Assessment & Qualifications Alliance)
60% coursework and 40% exam project

- Introduction To the project.
- Drawing techniques - traditional drawing and Computer Aided Design (CAD)
- Resistant Materials and their properties
- Addition and fabrication techniques
- Architectural design & product design projects. (Includes Artist Investigation)
- Independent project - Own choice of media



• **Outline of content**

- The course is comprised of two components.
- **Component 1:Portfolio**
- A portfolio that in total shows explicit coverage of the **four assessments objectives**. It must include a sustained project and selection of further work undertaken during the course. 60% of GCSE
- **Component 2 Externally set assignment**
- Students respond to their chosen starting point from an externally set assignment paper . 40% of GCSE

How will students be assessed?

(4 Assessments Objectives)



How will students be assessed?

AO1. Artist Investigation. Recreating thorough use of similar media & materials

Frank Lloyd Wright



This is an image of Frank Lloyd Wright's most famous design, falling water. most commonly known as the waterfall house, it has attracted millions of people to come and get a view of this architectural masterpiece and was built in the year 1935 and the waterfall house goes for \$60 million on market.

I have chosen this model of the house as it shows the surroundings, but still however shows the house in detail. the reason I have chosen this model over others is because its his most famous piece of work and is therefore the most recognisable, the first thing I notice about this building is that there are layers in the form of floors and balconies, because of the way it accentuates the houses main and some of the most important features.

I am planning to use the balconies and layers in my work and replicate the style of the house in my own way, this is because it makes the house look more attractive and can also attract viewers to pay more attention to smaller details as well.

Art Deco

Tiffany lamps can dazzle by their beauty, but also by their colours shade. Tiffany style lamps have lampshades in stained-glass which are American style's coloured glass assembled. The stained-glass assembly is done according to Louis Comfort Tiffany's processes. Going back over 100 years. Art Deco focuses on the quality of the materials in the craftsmanship of the works.



A Tiffany table lamp may require several hundred pieces of glass. The Memphis set for example, in the Art Deco style, is made of pearly opalescent white glass and black one.



Moshe Safdie :

This architect uses completely unique designs from his own creation making them bold and innovative. He has the ability to design both residential buildings and larger designs for other use.

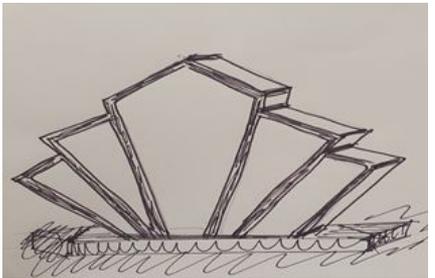
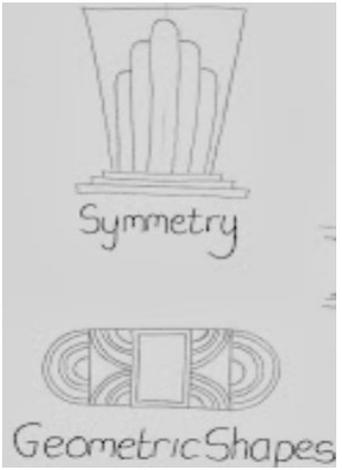
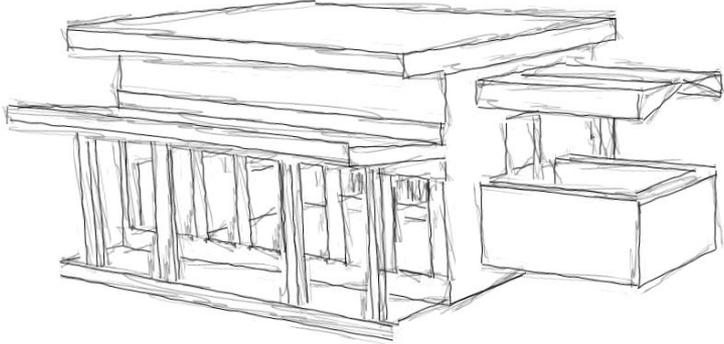
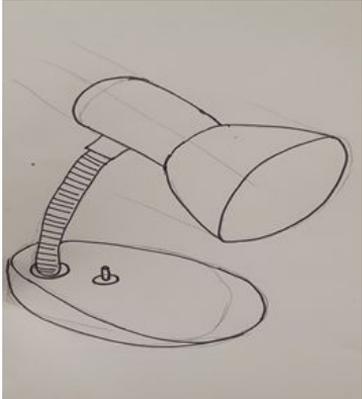
His work uses pieces from things around him like blocks, plants, curves and other devices. If I would take anything from his work I would infuse the idea of the blocks with the elegant curves from his other designs such as the marina bay sands tower

My favourite piece of his work is the marina city park as it involves natural elements into his work and uses environmental features such as trees, plants and even some designs manipulated from other areas

How will students be assessed?

AO2. Refine Ideas, experiment with new media, materials & techniques

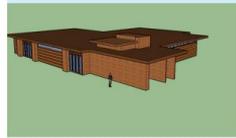
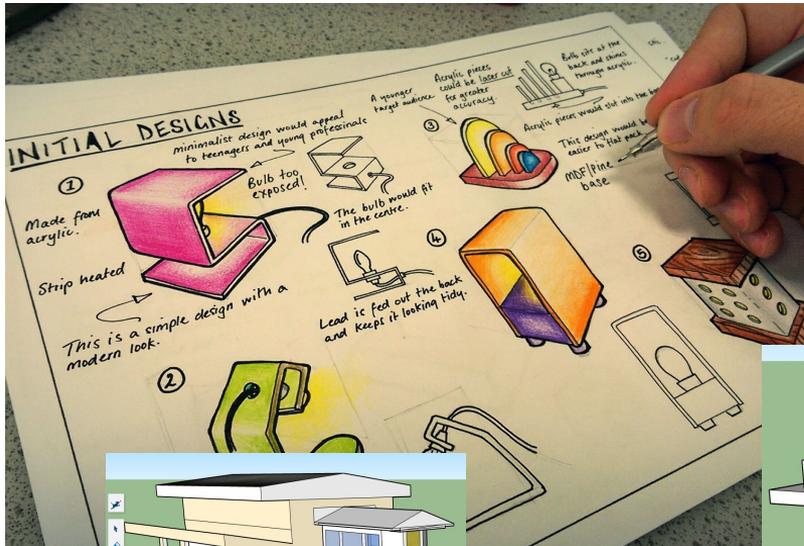
- TECHNICAL PEN
- STUMP
- WOODLESS PENCIL
- COLORED PENCIL
- MECHANICAL PENCIL



How will students be assessed?

A03: Record ideas, observations and insights relevant to intentions.

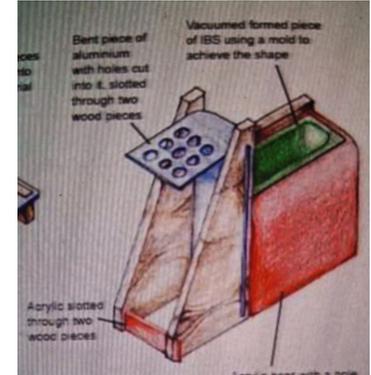
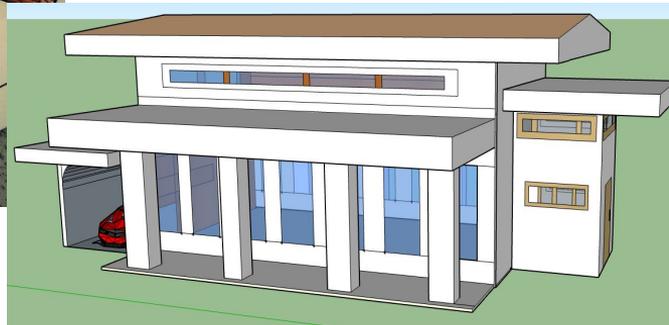
(Drawing from observation & annotation)



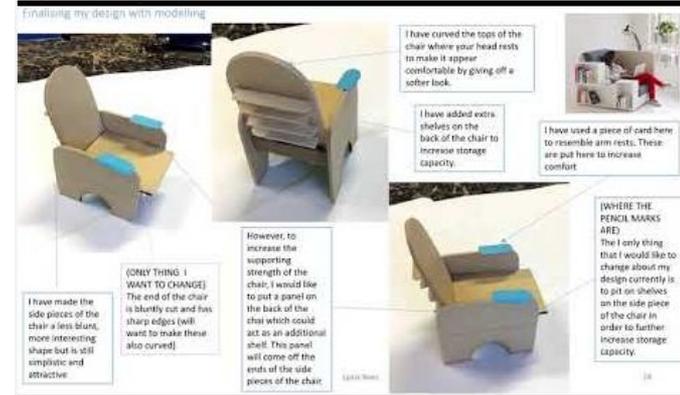
Now that I have finished the full building I have decided that I will keep the same building but makes some changes e.g. I will add some more to the roof and add some windows on there. The windows on the back of the house I would like to make bigger and make the overhang around it narrower to give it a more modern presence.

I will change the shape of the building and make the house have a less of a boxier effect. I will make more angles in the house to give it a better dimension.

When I finish model 2 I will add some hills with landscape around the house to see how it would look in a more realistic environment. I would also eventually add a car in the driveway to people can see the proportion of my model of the house



A04: Response to investigation Final 3D outcome conclusions (Evaluation)



Next steps & Enrichment opportunities



Outline linked post-16 studies

Students can continue onto A-Level Product Design at Kings Academy Prospect

- T-Level (Offer students practical and knowledge-based learning at a school or college and on-the-job experience through an industry placement)
- Vocational- (Engineering ,Construction, motor vehicle, etc)
- UTC- Engineering- (Reading)

Outline linked career paths

- This course will lead to many creative subject areas within further education and there are many Career choices which design Technology can support. Some of these are:

ENGINEERING and CONSTRUCTION

Civil engineering
Construction
Mechanical engineering
Robotics
Armed forces
Electronics engineering
Aerospace
Automotive engineering
Services & infrastructure
Architecture

FASHION and TEXTILES

Hosiery
Footwear
Clothing
Menswear/womenswear
Materials development
Furniture
Accessories
Sportswear
Aerospace
Automotive
Carpets
Fashion/haut couture
Interior design

ELECTRONICS and SYSTEMS & CONTROL

Robotics
Computing
Digital media
Transport
Broadcasting
Security
Armed forces
Electronics
Aerospace
Automotive
Services & infrastructure

DESIGN

Product design
Robotics
Industrial
Automotive
Carpet manufacture
Fashion/haut couture
Interior design
Packaging
Games industry
Advertising
Marketing
Digital media
Publishing
Film and media

ACHIEVE

Questions?

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