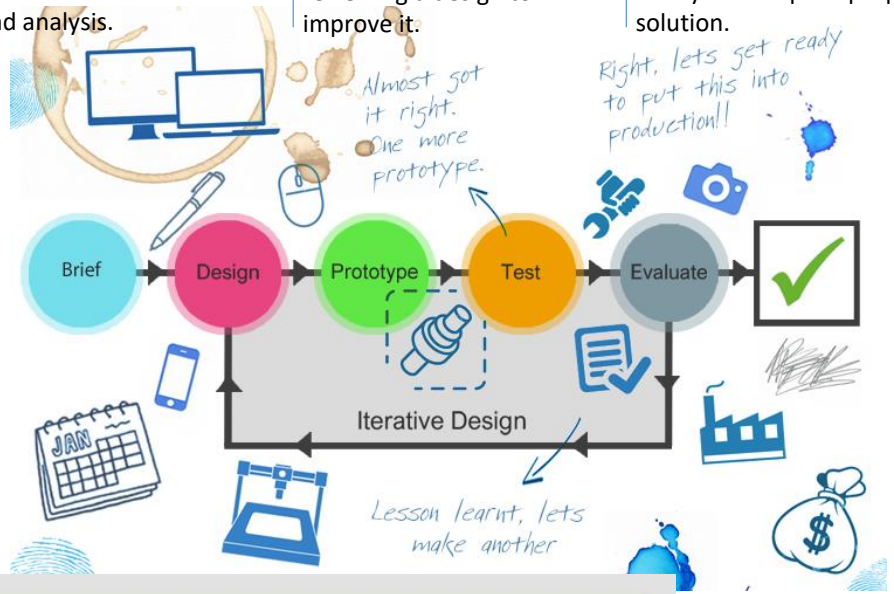
QR Code link to https://www.bbc.co.uk/bitesize/guides/zrx7xfr/revision/1

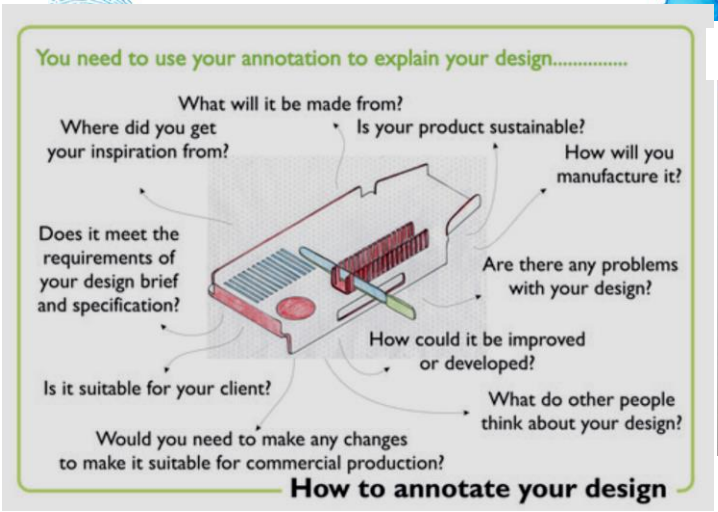
Key Words: **The Design Process**

Analysis: a close study of a product in order to assess it.
Cyclic: going around a design process many times.
Development: improving a product based on feedback and analysis.

User-Centred Design: total consideration of end-user requirements of a product.
Feedback: opinions of others.
Iterative: revisiting and reviewing a design to improve it.

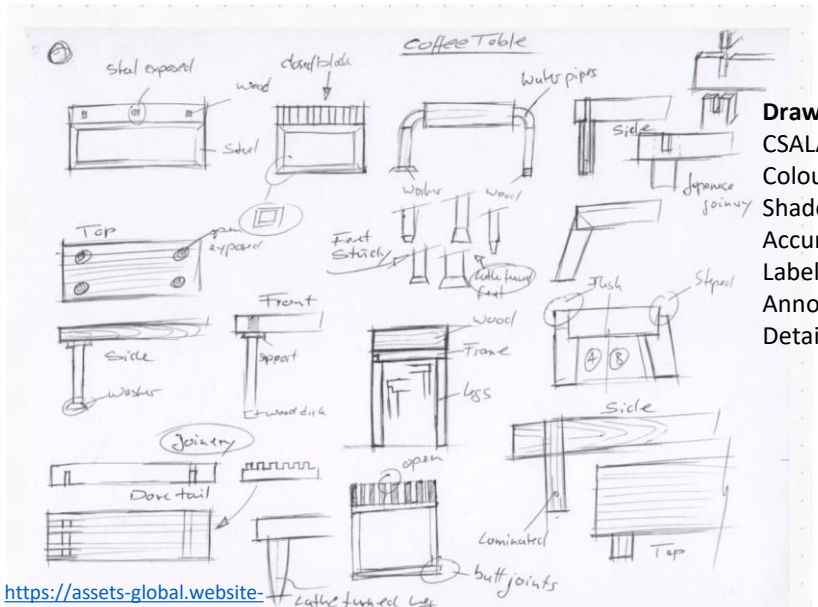
Prototype: a model of a product; a first attempt.
Annotation: using text to explain a drawn idea. It helps clarify a concept or proposed solution.





QR Code link to http://www.technologystudent.com/designpro/drawdex.htm

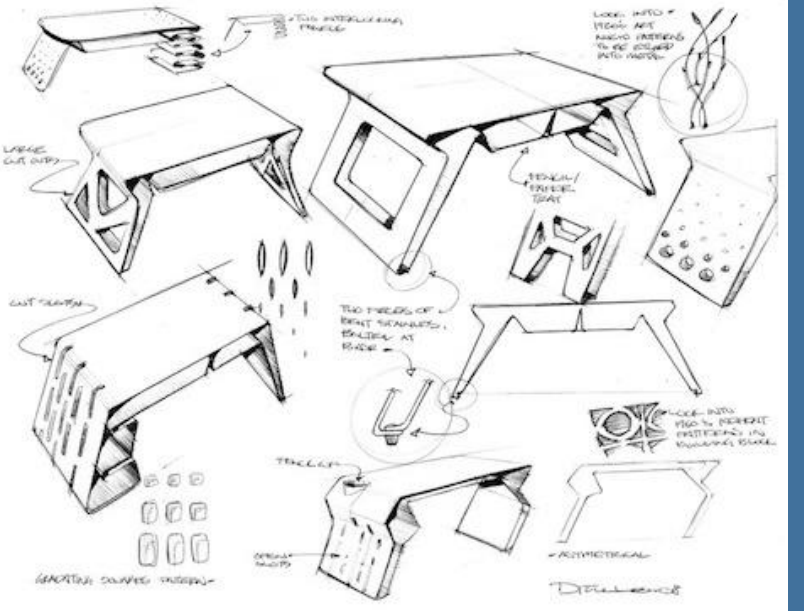
The Design Process



https://assets-global.website-files.com/5b6af24db3323e2ec6fe2414/5b840c2ba70dc85a39bedb52_pencil%20sketches%20(1).png

Drawing Techniques
CSALAD:
Colour
Shade/Shadow
Accuracy
Label
Annotate
Detail

https://s3files.core77.com/blog/images/2012/02/Ditullo_desks.jpg



Examples of evidence in the Design Process

Actions	Examples
Visits	To fashion shows, trade fairs, factories, workplaces, etc.
Interviews	To establish the needs of your primary user and other stakeholders
Observations	To study users in their environment; for user interaction
Gathering data	Anthropometrics, surveys, legislation, other measurements
Product analysis	Disassembly, use, inspiration, reverse engineering
Written reports	Write-ups, analysis of research, testing, etc.
Collaborative work	To generate ideas with others, peer testing, feedback
Sketching	Hand drawn, digital, over photos of models, etc.
Modelling	CAD and physical models, to scale and full size
Materials testing	Desirable properties, sample processes
Prototype testing	For viability, user feedback
Component testing	Using destructive and non-destructive methods
User feedback	Observations, interviews, etc.
Stakeholder feedback	Emails, video chats, etc.
Manufacturing	To explore potential processes, actual processes used, CAM
Final prototype	Clear images, close-up views, moving/working parts, testing in situ
Visualisation	Photoshop, image manipulation, etc.

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