



What the revision blocks cover.

Section A - Preliminary Material.

Section B - Evolution of PD.

Section B - Consumer Needs.

Section B - Design in practice.

Section B - Packaging.

Section B - Human context.

Section B – Global Responsibility.

Section B – Product Manufacture.

Section B – Use of ICT.

Section B – Manufacturing Processes.

Section B – Properties of materials.

DT Revision Jenga.

Rules:

- 1) Play in teams of 3 (2 players & 1 quiz master). The quiz master will toss a coin to determine which player plays first. The quiz master will read the questions and record each players points.
- 2) Stack the tower placing the blocks as shown in the image.
- 3) Carefully pick a block from the tower.
- 4) Look at the number on the block. The question master will set the corresponding question from the question sheet.
- 5) If you answer the question correctly, you keep the block.
- 6) If you get the answer wrong, place the block back on the top of the tower.
- 7) The person with the most Jenga blocks when the tower falls is the winner of that round.
- 8) At the end of the round, the tower should be restacked, next quiz master to collect next round of questions and play recommences.
- 9) The winner of the game will then become the quiz master with two different players.



DT Revision Jenga. Question & Answer Sheet.

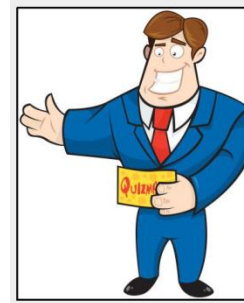


Quiz Master.

No	DT Revision Jenga Question.	DT Revision Jenga Answer.
1	What does MASS production mean?	Made in great quantity.
2	What does PICT PD stand for?	Protection, Informing, containing, transport, preservation, display.
3	What does a barcode do?	To scan for purchasing/stock control.
4	Can you draw the BSI logo?	Refer to image board.
5	Give an advantage of CAD.	Quicker, more precise, easier amendments.
6	What does BATCH production mean?	Large number produced at same time.
7	What does a QR code do?	Scan on smart phones to open websites.
8	What does CAM stand for?	Computer aided manufacturing.
9	Can you name a smart material?	Kevlar, Polymorph, shape memory alloys etc.
10	Can you name the 6 R's	Recycle, reuse, refuse, reduce, rethink, repair
11	Give a disadvantage of CAM.	High set up costs, training on ICT.
12	Can you give an example of batch production?	Chairs, books, magazines, bakery products.
13	What does CAD stand for?	Computer aided design.
14	How is packaging cut in manufacturing?	Die cutting.
15	Draw the recycling symbol.	Refer to image board.



DT Revision Jenga. Question & Answer Sheet.



Quiz Master.

No	DT Revision Jenga Question.	DT Revision Jenga Answer.
16	What does continuous production mean?	Never stops, 24/7 production.
17	What does technology push mean?	How advances in tech influence design.
18	What does ergonomics mean?	Size, comfort & safety between human & product.
19	Name a famous designer.	Alessi, Starck, Jonathan Ive, James Dyson.
20	What does market pull mean?	Consumer demands lead to development.
21	Draw the CE logo.	Refer to image board.
22	How does packaging hang? Name & Draw.	Delta hanger or Euro Slot. Refer to image board.
23	How is colour/text printed in manufacturing?	Lithography.
24	What does aesthetics mean?	A description of how something looks.
25	What does anthropometrics mean?	Measurements of human body sizes e.g. hand span.
26	Name a non-renewable resource?	Fossil fuels, raw materials, oil, gas etc.
27	What biodegradable mean?	A material rots/decomposes into the ground/soil.
28	Draw the Forrest Stewardship council logo?	Refer to image board.
29	What does carbon footprint mean?	Amount of CO2 emitted during the products lifetime
30	What does finite mean?	Limited.



DT Revision Jenga. Question & Answer Sheet.



Quiz Master.

No	DT Revision Jenga Question.	DT Revision Jenga Answer.
31	What does Fairtrade mean?	Ensuring a fair price & conditions for producers.
32	Can you name a CAD modelling programme?	Solid works, Corel Draw, Google Sketch Up.
33	What product does blow moulding manufacture?	Plastic bottles.
34	What tool would you use for cutting curves?	Coping Saw.
35	What does MDF stand for?	Medium density fibre board.
36	What is a thermoplastic?	A plastic that can be moulded & reshaped
37	Can you name a machine operated using CAM?	CNC router, Laser cutter, 3D printer.
38	What does ferrous metal mean?	A metal that contains iron.
39	Name a design movement.	Art deco, Art Nouveau, De Stijl.
40	Give an example of a manufactured board.	MDF, Plywood, Chipboard, hardboard.
41	What is planned obsolescence?	When a company plans to remove a product from sale.
42	What is a trademark?	Symbols, slogans, logos used to represent brands.
43	Give an example of a softwood.	Scots pine, Pine, Spruce.
44	What does JIT stand for?	Just in time manufacturing/production.
45	What does non ferrous metal mean?	A metal that does not contain iron.



DT Revision Jenga. Question & Answer Sheet.



Quiz Master.

No	DT Revision Jenga Question.	DT Revision Jenga Answer.
46	Give an example of a ferrous metal.	Cast iron, mild steel, carbon steel, stainless.
47	What does thermosetting mean?	A plastic that once moulded can not be re-formed.
48	What is the purpose of adhesives?	To stick materials and parts together.
49	What is a flow chart?	A diagram that shows the sequence of making a product in the right order.
50	What are greenhouse gases?	Gases which are linked to global warming.
51	Give three health & safety issues/preventions.	Breathing (face mask), eyes (goggles), loose clothing (apron), ears (ear defenders).
52	What does QA & QC mean?	Quality assurance and quality control.
53	What are fossil fuels?	Coal, oil and gas.
54	What does HDPE and LDPE stand for?	High and low density Polyethylene
55	Give an example of a non-ferrous metal.	Aluminium, copper, lead, tin, gold, silver.
56	What is a composite material?	Material made from 2 or more different materials.
57	What does corrosion mean?	Deterioration of metal caused by a chemical reaction. Often environment influenced.



DT Revision Jenga. Question & Answer Sheet.



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DT Revision Jenga. Question & Answer Sheet.



Quiz Master Recording Sheet.

Tick when a player get
a question correct.

	Player A	Player B
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	Player A	Player B
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