

Year 7 Design and Technology Resistant Materials Colour Band Descriptors

"Green" Skills Criteria - Practical	"Green" Skills Criteria - Theory
With assistance I am able to mark out my work using specific tools.	I can make notes around my designs to label the different parts.
I can cut and shape my product with some assistance.	I can name a manufactured board.
I can use a colour to enhance my designs.	I can use a specification to see how my product could be even better.

"Pink" Skills Criteria - Practical	"Pink" Skills Criteria - Theory
I can mark out a clear representation of my product using equipment I have selected	I can generate a variety of design ideas for my product.
I can cut and shape my product after selecting an appropriate tool.	I can annotate each one of these ideas to explain how they work.
I can finish and smooth my product using files and glass paper.	I can create a specification to help me create appropriate design ideas.
I can create chamfers using a plane and use it safely.	I can identify a range of existing products and analyse them.
I can select appropriate tools and equipment to join my base and shape and any other parts.	I can list a range of man-made boards
I can identify how to create a second mould using the initial product I have manufactured.	I can identify all three material groups related to timber.
I can create a packaging design using a pre drawn net suitable for assembly into 3D product.	I can use my specification to help evaluate my product.

"Yellow" Skills Criteria - Practical	"Yellow" Skills Criteria - Theory
I can use a template and appropriate tools to mark out an accurate representation of my product.	I can generate a creative, accurate range of design ideas for my product.
I can cut and shape my product after selecting an appropriate tool and the correct method.	My annotation explains in depth how each one of these ideas to explain work.
I can finish and smooth my product using a specific file that I have identified and demonstrate a clear understanding of different types of glass paper.	I can create a specification to help me create appropriate design ideas which shows a confident understanding of the user, context and purpose.
I can set up a plane to create chamfers and use it safely	I can identify a range of existing products and analyse them using ACCESSFM
I can select appropriate tools and equipment to join my base and shape and any other parts for the strongest method of joining.	I can list a range of man-made boards and where they could be used.
I can explain how the vacuum forming process works and how it is used to make my chocolate mould.	I can identify all three material groups related to timber and the differences between each.
I can create a packaging design using a pre drawn net suitable for assembly into 3D product and include all key pieces of information on my design	I can use my specification to help evaluate my product in detail.

"Blue" Skills Criteria - Practical	"Blue" Skills Criteria - Theory
I can use a template, try square and ruler to mark out my product with a high degree of accuracy.	I can generate highly developed ideas communicated in a variety of ways.
I can identify specific tools for shaping my product and use them with a high degree of accuracy.	My annotation is detailed and fully explains how my ideas will work, making reference to mat'ls, techniques, user, purpose etc.
I can identify all relevant finishing tools for my product and use each with a high degree of accuracy.	I can apply further knowledge utilising a specification.
I can set up a plane to create chamfers and use it safely and accurately.	I can identify a range of existing products and analyse them using ACCESSFM, clearly identifying who the end user of the product is and why.
I can select appropriate tools and equipment to join my base and shape and any other parts for the strongest method of joining.	I can identify a range of man-made boards, their properties and where they could be used.
I can explain how the vacuum forming process works and how it is used to make my chocolate mould. I can also identify HIPS.	I can identify all three material groups related to timber and detail specific differences between each.
I can create a packaging design using my own CAD drawn net suitable for assembly into 3D product and include all key pieces of information on my design	I can use my specification to help evaluate my product in detail in detail, suggesting improvements and modifications as a consequence.

"Salmon" Skills Criteria - Practical	"Salmon" Skills Criteria - Theory
I can use and manipulate all relevant tools to mark out my product with a very high degree of accuracy.	I can generate highly developed ideas communicated in a variety of ways, in some cases using CAD or 3-D modelling to express my ideas.
I can identify specific tools for shaping my product and use them all with a repeated high degree of accuracy.	My annotation and justification of my ideas is supported by written communication relating to the user and my research.
I can identify all relevant finishing tools for my product and use each effectively with a high degree of accuracy.	I can identify spec points independently and use them to guide my design and development.
I can set up and adjust a plane to create chamfers and use it safely and highly accurately.	I can identify a range of existing products and analyse them using ACCESSFM, clearly identifying, in depth, who the end user of the product is and why.
I can select appropriate tools and equipment to join my base and shape and any other parts for the strongest method of joining and be able to overcome any issues I encounter.	I can identify a range of man-made boards, their properties and where they are used.
I can explain how the vacuum forming process works and how it is used to make my chocolate mould. I can also identify HIPS.	I can identify all three material groups related to timber and detail specific differences between each.
I can create a high quality piece of packaging design using my own CAD drawn net suitable for assembly into 3D product and include all key pieces of information on my design	I can use my specification to help evaluate my product in detail in detail, giving detailed improvements and modifications as a consequence.