Design and Technology

Currently the criteria links do not go anywhere. Later we will provide pages of guidance and link to useful free supporting resources but this is going to take some time to develop. We thank you for your patience.

Level 1 Unit 1 - Design & Technology

1. The learner will plan and make simple things with help talking about their work and what they are doing.

1.1 I can generate ideas and recognise characteristics of familiar products [1]

1.2 I can contribute to plans that put my ideas into practice [2]

1.3 I can describe what I want to do using pictures and words [3]

1.4 I can explain what I'm making [4]

1.5 I can identify simple tools relevant to my work [5]

1.6 I can use simple tools and materials to support my work [6]

1.7 I can talk about my own and other people's work [7]

1.8 I can say how my product works [8]

Level 2 Unit 1 - Design & Technology

1. The learner will generate ideas and carry out a plan to make something, evaluating their work in simple terms.

1.1 I can generate ideas [10]

1.2 I can sequence steps in a plan [11]

1.3 I can decide how to use materials and components using my experience [12]

1.4 I can describe my design using models, pictures and words [13]

(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){ (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o), m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m) })(window,document,'script','//www.google-analytics.com/analytics.js','ga'); ga('create', 'UA-46896377-2', 'auto'); ga('send', 'pageview');

1.5 I can select appropriate tools, techniques and materials [14]

1.6 I can explain my choices [15]

1.7 I can make things from components and materials using tools [16]

1.8 I can say what went well in my work [17]

1.9 I can suggest how to make my work better in future [18]

Level 3 Unit 1 - Design & Technology

1. The learner will plan and make things that meet identified needs improving their work through evaluation

1.1 I can generate ideas to meet identified needs [20]

1.2 I can make realistic plans to achieve my aims [21]

1.3 I can clarify my ideas through labelled diagrams, words and models [22]

1.4 I can plan projects through a series of steps thinking ahead [23]

1.5 I can select simple equipment and materials relevant to my work [24]

1.6 I can cut and shape materials using tools and techniques with some accuracy [25]

1.7 I can put together components to make a useful working product [26]

1.8 I can identify where evaluation of the design and make process has led to improvements in my work [27]

Level 4 Unit 1 - Design & Technology

(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){ (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o), m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m) })(window,document,'script','//www.google-analytics.com/analytics.js','ga'); ga('create', 'UA-46896377-2', 'auto'); ga('send', 'pageview');

1. The learner will collect information to plan and make things that are useful to users improving their work through evaluation and reflection.

1.1 I can generate ideas by collecting and using information [29]

1.2 I can take user views about aesthetics and technical needs into account in my plans [30]

1.3 I can use labelled diagrams, words and models to show I am aware of constraints on my plans [31]

1.4 I can achieve good quality of function and finish for my products by applying knowledge of my working media [32]

1.5 I can use ideas from other people's work to inform my own designs [33]

1.6 I can produce step by step plans so that someone else could repeat my work [34]

1.7 I can select and use a range of equipment to support my work [35]

1.8 I can identify strengths and weaknesses in my work with a view to improvement [36]

1.9 I can reflect on my work, recognising the significance of what I have learnt [37]

Level 5 Unit 1 - Design & Technology

1. The learner will use a range of research and development techniques to inform detailed plans that support high quality product outcomes fit for specific purposes.

1.1 I can develop ideas by drawing on and using a range of sources of information [39]

1.2 I can clarify my ideas through discussion, drawing and modelling [40]

1.3 I can explain aesthetic and economic aspects of my work [41]

1.4 I can incorporate the culture and society reflected in familiar products in my own work [42]

1.5 I can identify constraints on my work [43]

1.6 I can make modifications to my own detailed plans as appropriate [44]

(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){ (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o), m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m) })(window,document,'script','//www.google-analytics.com/analytics.js','ga'); ga('create', 'UA-46896377-2', 'auto'); ga('send', 'pageview');

1.7 I can work with some precision using a range of equipment and materials [45]

1.8 I can check my work as it develops, solving problems as necessary [46]

1.9 I can objectively test and evaluate my products in relation to fitness for purpose [47]

Level 6 Unit 1 - Design & Technology

1. The learner will respond creatively to briefs taking into account the form and function of familiar products in plans that lead to products that are to a degree creative and generally fit for purpose.

1.1 I can draw on a range of of sources of information demonstrating that I understand the form and function of familair products [49]

1.2 I can explore and test my ideas creatively in response to a design brief [50]

1.3 I can develop detailed criteria for my products and use these to explore proposals [51]

1.4 I can respond effectively to multi-dimensional problems [52]

1.5 I can modify my approach based on learning from other people's work [53]

1.6 I can produce plans that outline alternative methods [54]

1.7 I can work with a range of tools and materials based on understanding their characteristics [55]

1.8 I can use on-going evaluation to improve my methods and products [56]

1.9 I can evaluate how effectively I have used the information sources at my disposal [57]

Level 7 Unit 1 - Design & Technology

(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){ (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o), m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m) })(window,document,'script','//www.google-analytics.com/analytics.js','ga'); ga('create', 'UA-46896377-2', 'auto'); ga('send', 'pageview');

1. The learner will use a wide range of appropriate sources of information to develop ideas, investigating form, function and production processes before communicating ideas, using a variety of media.

1.1 I can recognise the different needs of a range of users when developing a fully realistic design. [59]

1.2 I can produce plans that predict the time needed to carry out the main stages of making products. [60]

1.3 I can work with a range of tools, materials, equipment, components and processes, taking full account of their characteristics. [61]

1.4 I can adapt my methods of manufacture to changing circumstances. [62]

1.5 I can provide a sound explanation for any change from the design proposal. [63]

1.6 I can select appropriate techniques to evaluate how my products will perform in use. [64]

1.7 I can modify products in the light of evaluation to improve their performance. [65]

Level 8 Unit 1 - Design & Technology

1. The learner will fully develop planning models identifying solutions to conflicting demands and new contexts that result in high quality products.

1.1 I can fully develop and model appropriate ideas using a range of strategies [67]

1.2 I can identify conflicting demands on a product and respond creatively [68]

1.3 I can make decisions independently based on my knowledge of tools, materials and techniques [69]

1.4 I can draw on my past work and the work of others and apply this to new contexts [70]

1.5 I can work with precision to ensure high quality products [71]

1.6 I can solve technical problems using accurate testing [72]

(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){ (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o), m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m) })(window,document,'script','//www.google-analytics.com/analytics.js','ga'); ga('create', 'UA-46896377-2', 'auto'); ga('send', 'pageview');

1.7 I can identify a broad range of criteria for evaluating my products [73]

1.8 I can relate my product outcomes to environmental, ethical, and social and cultural needs [74]

Level 9 Exceptional Performance Unit 1 - Design & Technology

1. The learner will produce products that are genuinely innovative and of high quality.

1.1 I can seek out information independently and discriminatingly to inform my planning [76]

1.2 I can relate products to lifestyle across a range of potential client groups [77]

1.3 I can demonstrate genuine innovation in my product proposals [78]

1.4 I can communicate innovation through my interpretation and application of knowledge and understanding [79]

1.5 I can innovate by drawing on an understanding of the work of others [80]

1.6 I can work with high degrees of precision [81]

1.7 I can produce products that are reliable, robust and fully meet the quality standards required in the brief [82]

1.8 I can reflect critically and independently on my work throughout the designing and making process [83]

Source URL: https://theingots.org/community/ncu1dt

Links
[1] https://theingots.org/community/ncl1u1dtx#1.1

(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){ (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o), m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m) })(window,document,'script','//www.google-analytics.com/analytics.js','ga'); ga('create', 'UA-46896377-2', 'auto'); ga('send', 'pageview');

[2] https://theingots.org/community/ncl1u1dtx#1.2
[3] https://theingots.org/community/ncl1u1dtx#1.3
[4] https://theingots.org/community/ncl1u1dtx#1.4
[5] https://theingots.org/community/ncl1u1dtx#1.5
[6] https://theingots.org/community/ncl1u1dtx#1.6
[7] https://theingots.org/community/ncl1u1dtx#1.7
[8] https://theingots.org/community/ncl1u1dtx#1.8
[9] https://theingots.org/community/ncl1u1dti
[10] https://theingots.org/community/ncl2u1dtx#1.1
[11] https://theingots.org/community/ncl2u1dtx#1.2
[12] https://theingots.org/community/ncl2u1dtx#1.3
[13] https://theingots.org/community/ncl2u1dtx#1.4
[14] https://theingots.org/community/ncl2u1dtx#1.5
[15] https://theingots.org/community/ncl2u1dtx#1.6
[16] https://theingots.org/community/ncl2u1dtx#1.7
[17] https://theingots.org/community/ncl2u1dtx#1.8
[18] https://theingots.org/community/ncl2u1dtx#1.9
[19] https://theingots.org/community/ncl2u1dti
[20] https://theingots.org/community/ncl3u1dtx#1.1
[21] https://theingots.org/community/ncl3u1dtx#1.2
[22] https://theingots.org/community/ncl3u1dtx#1.3
[23] https://theingots.org/community/ncl3u1dtx#1.4
[24] https://theingots.org/community/ncl3u1dtx#1.5
[25] https://theingots.org/community/ncl3u1dtx#1.6
[26] https://theingots.org/community/ncl3u1dtx#1.7
[27] https://theingots.org/community/ncl3u1dtx#1.8
[28] https://theingots.org/community/ncl3u1dti
[29] https://theingots.org/community/ncl4u1dtx#1.1
[30] https://theingots.org/community/ncl4u1dtx#1.2
[31] https://theingots.org/community/ncl4u1dtx#1.3
[32] https://theingots.org/community/ncl4u1dtx#1.4
[33] https://theingots.org/community/ncl4u1dtx#1.5
[34] https://theingots.org/community/ncl4u1dtx#1.6
[35] https://theingots.org/community/ncl4u1dtx#1.7
[36] https://theingots.org/community/ncl4u1dtx#1.8
[37] https://theingots.org/community/ncl4u1dtx#1.9
[38] https://theingots.org/community/ncl4u1dti
[39] https://theingots.org/community/ncl5u1dtx#1.1
[40] https://theingots.org/community/ncl5u1dtx#1.2
[41] https://theingots.org/community/ncl5u1dtx#1.3
[42] https://theingots.org/community/ncl5u1dtx#1.4
[43] https://theingots.org/community/ncl5u1dtx#1.5
[44] https://theingots.org/community/ncl5u1dtx#1.6
[45] https://theingots.org/community/ncl5u1dtx#1.7
[46] https://theingots.org/community/ncl5u1dtx#1.8
[47] https://theingots.org/community/ncl5u1dtx#1.9
[48] https://theingots.org/community/ncl5u1dti
[49] https://theingots.org/community/ncl6u1dtx#1.1
[50] https://theingots.org/community/ncl6u1dtx#1.2
[51] https://theingots.org/community/ncl6u1dtx#1.3
[52] https://theingots.org/community/ncl6u1dtx#1.4
[53] https://theingots.org/community/ncl6u1dtx#1.5
[54] https://theingots.org/community/ncl6u1dtx#1.6
[55] https://theingots.org/community/ncl6u1dtx#1.7
[56] https://theingots.org/community/ncl6u1dtx#1.8
[57] https://theingots.org/community/ncl6u1dtx#1.9
[58] https://theingots.org/community/ncl6u1dti
[59] https://theingots.org/community/ncl7u1dtx#1.1
[60] https://theingots.org/community/ncl7u1dtx#1.2

(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){ (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o), m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m) })(window,document,'script','//www.google-analytics.com/analytics.js','ga'); ga('create', 'UA-46896377-2', 'auto'); ga('send', 'pageview');

[61] https://theingots.org/community/ncl7u1dtx#1.3
[62] https://theingots.org/community/ncl7u1dtx#1.4
[63] https://theingots.org/community/ncl7u1dtx#1.5
[64] https://theingots.org/community/ncl7u1dtx#1.6
[65] https://theingots.org/community/ncl7u1dtx#1.7
[66] https://theingots.org/community/ncl7u1dti
[67] https://theingots.org/community/ncl8u1dtx#1.1
[68] https://theingots.org/community/ncl8u1dtx#1.2
[69] https://theingots.org/community/ncl8u1dtx#1.3
[70] https://theingots.org/community/ncl8u1dtx#1.4
[71] https://theingots.org/community/ncl8u1dtx#1.5
[72] https://theingots.org/community/ncl8u1dtx#1.6
[73] https://theingots.org/community/ncl8u1dtx#1.7
[74] https://theingots.org/community/ncl8u1dtx#1.8
[75] https://theingots.org/community/ncl8u1dti
[76] https://theingots.org/community/ncl9u1dtx#1.1
[77] https://theingots.org/community/ncl9u1dtx#1.2
[78] https://theingots.org/community/ncl9u1dtx#1.3
[79] https://theingots.org/community/ncl9u1dtx#1.4
[80] https://theingots.org/community/ncl9u1dtx#1.5
[81] https://theingots.org/community/ncl9u1dtx#1.6
[82] https://theingots.org/community/ncl9u1dtx#1.7
[83] https://theingots.org/community/ncl9u1dtx#1.8
[84] https://theingots.org/community/ncl9u1dti

(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){ (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o), m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m) })(window,document,'script','//www.google-analytics.com/analytics.js','ga'); ga('create', 'UA-46896377-2', 'auto'); ga('send', 'pageview');