

The North Gosforth Academy Design Technology Learning Journey

	Planning	Drawing	Making	Knowing and Understanding
	<i>Students are taught the design process which requires careful planning before making.</i>	<i>Students are taught a range of drawing skills. This includes drawing in 3D and ways of colouring to present ideas.</i>	<i>Students are taught a wide range of making skills using a variety of tools and machines in the workshop.</i>	<i>Students are taught the classification and properties of materials. They are made aware of the function of products and that each are made of components, so that they can design and make their own.</i>
Emerging	Understands the need for a design process. Can produce a basic plan for a design process.	Needs regular help with basic drawing skills to complete most tasks. Presentation is not their priority.	Needs reassurance and guidance at all times when using tools and machines in order to complete most making tasks.	Basic knowledge of materials and products. Struggles to understand new topics.
Developing	Is beginning to understand that design impacts making.	Needs further guidance in order to complete tasks following the demonstration. Presentation is improving but still needs refining.	Needs to be reminded of how to use some machines. Needs to be reminded of safety procedures. Can complete most making tasks without intervention.	Becoming more aware of different classes of materials. New topics are challenging at first.
Achieving	Understands that we need to design before making the product.	Can draw everything that has been shown using the techniques. Minor mistakes in presentation.	Can use all the tools and machines they have been shown. Occasionally needs to be reminded of safety procedures.	Already has a reasonable understanding of materials and products. Is able to understand new topics.
Exceeding	Has a good understanding of the stages of the design process. Knows why we do each stage.	Can draw everything that has been demonstrated with skill. Has additional artistic ability. Good/neat/careful presentation.	Can use all the machines they have been shown, safely and with accuracy. Good working knowledge of materials and components.	Already has a good understanding of materials, technology and products. New topics are already a part of their knowledge because of wider reading and curiosity.
Excelling	Has an in depth understanding of the stages of the design process. Can predict next logical step.	Can draw everything that has been demonstrated to a high degree of accuracy. Already has artistic flair. Excellent presentation.	Can use all the tools and machines they have been shown, safely and with great skill. Excellent understanding of materials and components.	Already equipped with a deeper knowledge of materials, science, technology and products. New topics are already part of their knowledge because of wider reading and curiosity.

Knowledge and Application

Content

In Year 9, the students' knowledge journey...				
In Year 8, students' knowledge journey...			Assessment 1: A test on the various technical drawing methods covered in autumn.	Assessment 2: A test on the theory lessons covered in the spring.
In Year 7, students' knowledge journey includes...		Assessment 1: An end of year test on the Computer Aided Design skills that have been taught this year.		
Assessment 1: An end of year test on measuring, drawing 3D, shading technique, knowledge of tools and processes and key vocabulary.	Assessment 2: Students only have one Design Tech test because they have half year DT and half year Food Tech.			