iubject :		Year Group:	1
cheme title	September to December AO4: Demonstrate and apply knowledge and understanding of:		
cheme title	☑Technical Principles	SOW being updated	SOW being updated
urpose of scheme	Obesigning And Making Principles.  A creative and Though provoking qualification gives students the practical skills, theoretical knowledge and confidence to succeed in numerous careers. Specially those in the creative industries. Pupils will investigate historical, social, cultural, environmental and economic influences on design and technology, whilst enjoying opportunities to put their learning in to practice by producing prototypes of their choice. Students will gain a real understanding of what it means to be a designer, alongside the knowledge and skills sought by higher education and employers	SOW being updated	SOW being updated
nowledge in equence	Stroduct Design requires students to engage in both practical and theoretical study. This specification requires students to cover design and technology skills and howstege.  Students should develop the ability to draw on and apply a range of skills and knowledge from other subject areas to inform their decisions in design and the application or development of technology.  There are clear links between aspects of the specification content and other subject areas such as;  SComputer Science (section 3.1.6). The use of computer systems' and section (3.1.7) 'Digital design and manufacture';  Bloulenss Studies (section 3.1.13) 'Enterprise and marketing in the development of products;  Bristory (section 3.2.2) 'Design Theory').	SOW being updated	SOW being updated
idits	Students are encouraged to:  Ble open to talking eldery risks, showing innovation and enterprise whilst considering their role as responsible designers.  Blowelop intellectual curiotity about the design and manufacture of products and systems, and their impact on daily life and the wider word.  Blowelop intellectual curiotity about the design and manufacturing to feedback from users, peers and expert practitioners.  Blowelop the capacity to thrist reatively, innovatively and critically through focused research and the exploration of design opportunities a raining from the needs, wants and values of users and clients.  Blowelop in in-eight howindeg and understanding of materials, components and excrease sociated with the creation of products that can be tested and evaluated in use.  Blowelop in in-eight howindeg and understanding of materials, components and excrease sociated with the creation of products that can be tested and evaluated in use.  Blowelop in in-eight howindeg and understanding of materials, components and excrease sociated with the creation of products that can be tested and evaluated in use.  Blowelop an in-eight howindeg and experience for each of the capacity of the management and development of taking a design through to a prototype/product.  Blowelop an in-eight manufacturing of the words and province and products and province and province and products and province and province and province and province and province and products and province	SOW being updated	SOW being updated
ey Words	Ferrous Metals Those Metals Contain IRON (Fe). Non-ferrous Metals Contain IRON (Fe). Non-ferrous Metals Metals which do not contain IRON Allows Metals Meta	SOW being updated	SOW being updated
	Isow well a metal can withstand damage caused by outdization or other chemical reactions.  Elasticity The ability of a metal to resume its normal shape after being stretched or compressed.  Pasticity Is the ability of a metal to undergo permanent deformation, a non-reversible change of shape.  Tereside Tereside Tereside Tereside and the special stretched or compressed.  Non-reverside change of shape.  Tereside and the special stretched or compressed.  This is a squashing / squeezing force where a body is pushed against itself.  Impact The action of one object coming forcibly / hitting into another object.  Destructive Testing.  Carried to find properties and behaviour of materials under different loads and conditions. The material is damaged during the test.  Non-Destructive Testing (NOT) A testing technique used by engineers to evaluate the properties of a material or product without causing damage to the original product.  Samidard Slock Shapes  Most materials are produced in standard sizes enabling them to be easily used across industries. Knowing what shapes and Most materials are produced in standard sizes enabling them to be easily used across industries. Knowing what shapes and Most materials are produced in standard sizes enabling them to be easily used across industries. Knowing what shapes and Most materials are produced in standard sizes enabling them to be easily used across industries. Knowing what shapes and Most materials are produced in standard sizes enabling them to be easily used across industries. Knowing what shapes and Most materials are produced in standard sizes enabling them to be easily used across industries. Knowing what shapes and Most materials are produced in standard sizes enabling them.  NADOWOOD  A through the stretched in this sheets from the pulp of wood.  ORTHOGRAPHIC  A hype of general graving with 3 different vews. Plan, Front & Side Fallic.  Report of custom-made tool used to control the location and/or motion of parts or other tools.  SOMETRIC  A place of dustom-made too		
nd Point		SOW being updated	SOW being updated
ssessment method	School Set assessments Week 17, 32, 50 & 57 (mock examinations)	Jose being updated	Sold being appared
	Department (interim) assessments Week 8, 24, 43.  These utilise past paper questions and assess all knowledge covered up to that point in time.  A-Level Coursework is marked regularly (/ 3 weeks).	SOW being updated	SOW being updated