KS3 Technology Schemes of Work

Year 7 and 8 cover four different Technology areas over each year

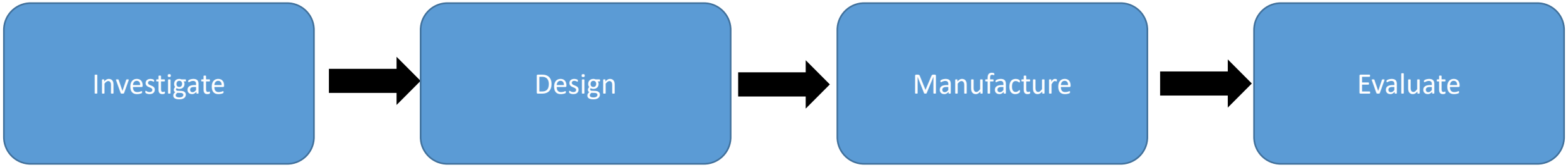
- Food
- Textiles
- Resistant materials
- Graphics

Each class will complete two projects in the first half of the year and then the classes rotate to cover the second two projects.

	SUBJECT 1 1:2 & 7:2		SUBJECT 2 3:2 & 7:2	
	1ST rotation	2nd rotation	1ST rotation	2nd rotation
	Last lesson 4th Feb	**First lesson 10th Feb**	**Last lesson 4th Feb**	**First lesson 12th Feb**
NO. OF LESSONS	**18**	**17**	**18**	**19**
8AY1	FOOD N8 RWT	SKI HAT N1 AMM	PEWTER N4 CJD	MOODLIGHT N4 CJD
8AY2	PEWTER N7 CJD	FOOD N8 RWT	MOODLIGHT N7 KB	SKI HAT N1 AMM
8AY3	SKI HAT N1 AMM	PEWTER N7 CJD	FOOD N9 AMM	MOODLIGHT N7 KB

KS3 Scheme of Work Overview

Throughout all 4 projects the students will be following the same format but also focus on the subject areas specific material and theory content.
The projects all complete the same 4 stages



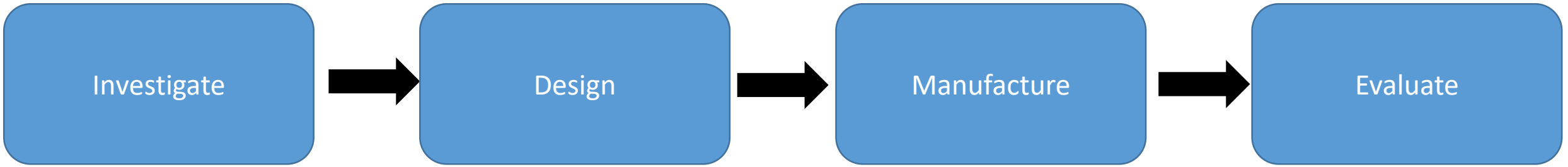
These are the same stages that students are expected to go through during the GCSE and A'level courses

There are a number of areas in each project that are then repeated in year 8, but with a more challenging aspect to build upon knowledge and skill learnt in year 7

Eg: year 7 are given a project brief to work from
year 8 are asked to write their own project brief

KS4 Technology Schemes of Work

Throughout year 9 and 10 students work though projects which build upon skills and knowledge from KS3 and introduce new skills needed for year 11.
Just like KS3 these projects follow four different stages



However the exam board are keen to promote the iterative design process which promotes these areas being worked on continually rather than one at a time. This is introduced in year 9 now that students understand what each stage consists of.

Year 9 plan of projects

Theory content is delivered through the SOW within the projects

GCSE RM course mapping

Autumn 1 - 7wks	Half Term	Autumn 2 - 7wks	Xmas	Spring 1 - 5wks	Half Term	Spring 2 - 6wks	Easter	Summer 1	Half Term	Summer 2
Clock project		Clock project		Storage Project		Storage Project		Tea light		Tea light

GCSE Graphics course mapping

Autumn 1 - 7wks	Half Term	Autumn 2 - 7wks	Xmas	Spring 1 - 5wks	Half Term	Spring 2 - 6wks	Easter	Summer 1	Half Term	Summer 2
Shop Project		Shop Project		Magazine project		Magazine project		POS project		POS project

Year 10 plan of projects

Theory content is now delivered through separate theory lessons once a cycle with specific areas that need to be covered before each half termly assessment

GCSE RM course mapping

Autumn 1 - 7wks		Autumn 2 - 7wks		Spring 1 - 5wks		Spring 2 - 6wks		Summer 1		Summer 2
Aluminium Trophy Casting	Half Term - assessment	Aluminium Trophy Casting	Xmas - Assessment	Childrens Toy	Half Term - assessment	Childrens Toy	Easter - Assessment	NEA project	Half Term	NEA project
New and emerging technologies		Energy materials, systems and devices		Common specialist technical principles		Materials and their working properties		Year 10 exams		
Industry and enterprise Sustainability and the People, culture and society production techniques and Informing design decisions		Energy generation Enery storage Modern materials Smart materials Composite materials & technical textiles		Forces and stresses on improving functionality Ecological and social The 6 R's Scales of production		Papers and boards Natural manufactured Metals and Alloys Polymers Textiles				

GCSE Graphics course mapping

Autumn 1 - 7wks		Autumn 2 - 7wks		Spring 1 - 5wks		Spring 2 - 6wks		Summer 1		Summer 2
Architecture project	Half Term - assessment	Architecture project	Xmas - Assessment	Childrens book	Half Term - assessment	Childrens book	Easter - Assessment	NEA project	Half Term	NEA project
New and emerging technologies		Energy materials, systems and devices		Common specialist technical principles		Materials and their working properties		Year 10 exams		
Industry and enterprise Sustainability and the People, culture and society production techniques and Informing design decisions		Energy generation Enery storage Modern materials Smart materials Composite materials & technical textiles		Forces and stresses on improving functionality Ecological and social The 6 R's Scales of production		Papers and boards Natural manufactured Metals and Alloys Polymers Textiles				