

## Northampton International Academy Design & Technology Curriculum Overview





## Why Teach Design and Technology?

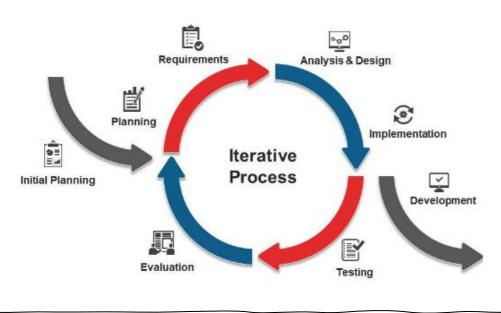
We believe that Design and Technology is at its core all about creativity and imagination. Students learn to design and make products taking into account the modern world and needs of others, allowing them to access a plethora of careers in the growing area of the creative industries and engineering.

Students have to consider others and understand their view points, think in creative ways to solve problems, learning practical skills an variety of media techniques and process in order to achieve an effective end result.

Design and technology require a combination of divergent and creative thinking blended with theoretical understanding and practical skills.

From designing objects for a commercial market through to clothing, furniture and Food, Design and technology equips students for their future by encompassing practical life skills and encourages students to be make appropriate decisions and solve problems – essential skills for the modern world.

We want our students to be able to think like designers, make decisions and find solutions and use practical skills to support their lives in the future.



## Iterative Process Model

KS1 Only	KS1 and KS2			KS2 only		KS3			KS4 (GCSE)	
Aechanisms	Food	Textiles	Structures	Mechanical Systems	Electrical Systems	Food and Nutrition	Art Textiles	Product Design	Product Design	Food

Disciplinary



	y Knowledge				
y	Kilowicuge	Understanding contexts,			
		user and purposes			
	Designing	Generating, developing,			
	00	modelling, and			
		communicating ideas			
		Planning			
Ma	Making	Practical skills and			
		techniques			
		Own ideas and products			
Eva	Evaluating	Existing products			
	Lvaluatilig	Key events and			
		individuals			