Year 7 Art and Technologies

'WE AIM TO EQUIP STUDENTS WITH THE KNOWLEGDE, SKILLS AND CONFIDENCE TO CREATE INNOVATE AND CRITICALLY ENGAGE WITH THE WORLD AROUND THEM'

Students are taught on a carousel, so will complete these projects and subjects over the course of the year.

Art & Design – Elements of Art

What will I study?

In this project you will:
- Learn about the elements of art and how they are used in art
- Develop your Artistic skills, in shading, recording accurately and painting

Artists Studied
- History of Art overview

How will I be assessed?

- Baseline direct observational drawing
- Tonal drawing of sweets
- Colour Theory painting

Art & Design – Sweet Things

What will I study?

In this project you will:
- Develop your painting skills, learning to blend colours, create form, and apply washes of colour

Artist inspiration
- Wayne Thiebaud – Pop Artist
- Tom Hovey – Illustrator

How will I be assessed?

- Cake mixed media painting
- Tonal drawing of cakes
- Final painting

Design Technology- Mobile Phone Stand

What will I study?

In this project you will:
- Learn about different wood types
- Learn to work safely in the workshop
- Learn to use hand tools
- Learn working techniques

Design Brief
You have been asked by the National Trust to design and make letter mobile phone stands that they can sell in their gift shops.

How will I be assessed?

- Making your product, using tools appropriately and following health & safety rules
- Final product
- Written evaluation

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Photography – Forced Perspective

What will I study?

in this project you will:
- Learn about perspective and how this can be used to create different affects
- Learn basic photography skills
- Learn to manipulate paper to create a low relief image

Inspiration:
- Hugo Suissas

How will I be assessed?

- Perspective drawing
- Forced perspective photography
- Low relief printed image

Textiles – Fabric Faces

What will I study?

In this project you will:
- Develop your tonal colour pencil skills
- Learn textile techniques, such as embroidery, applique and weaving
- Develop your design skills

Artists studied
- Aardman animation – 'ClothWorld'

How will I be assessed?

- Colour pencil tonal fabric character
- Design work
- Final Fabric Character

Food Technology – Safe and Healthy in the Kitchen

What will I study?

In this project you will:
- Learn skills and techniques to cook different elements of healthy meals.
- Learn the importance of the Health and Safety rules in the kitchen.
- Develop your understanding of what makes a healthy diet

How will I be assessed?

Your practical making skills will be assessed in the following dishes:
- Potato Wedges – Knife Safety skills
- Chicken Nuggets – H&S, coating and seasoning
- Scones – following a recipe and baking

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Year 7 Art & Technologies - Computing

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Autumn Term

What will I study?

E-Safety and Laws
In this unit of work, you will be introduced to the school network, learn about your digital footprint and how to keep your personal Data secure. We will also cover the Laws surrounding ICT and how you can stay safe on the internet.

Block programming
In this unit of work. you will look at algorithms and flowcharts. Learn how computers sort information using 'bubble sort'. We will also use what we have learnt to program Ozobots.

How will I be assessed?
Written assessments at the end of each topic.

Spring Term

What will I study?

Logo Programming
In this unit of work, you will learn to program an 8-bit image, using text-based programming and algorithms. You will learn to improve your program using Iteration.

Online Sources and Reliability
In this unit of work, you will learn how to Assess the reliability of sources on the internet. We will also learn about the importance of primary and secondary sources.

Spreadsheets
In this unit of work, you will lean to create spreadsheets and to create and use formulas.

How will I be assessed?
Written assessments at the end of each topic

Summer Term

What will I study?

Hardware and Software
In this unit of work, you will learn about what makes up a computer system and the difference between hardware and software.

Memory and storage
In this unit of work, you will learn about internal and external storage. The use and difference of RAM/ROM and about the computer's hard drive

Microbit programming
In this unit of work, you will learn to program using Microbit, which uses Block and Text based programming. You will develop your understanding and use of Algorithms and Iteration

How will I be assessed?
Written assessments at the end of each topic.

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Year 8 Art and Technologies

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Art– Portraiture – Animal and Human

What will I study?

In this project you will:
- Learn facial proportions
- Develop skills in portraiture drawing
- Develop skills in creating tones using coloured pencil
- Develop painting skills, using hot and cold colours

Artists studied:
Marion Rose

How will I be assessed?

- Tonal pencil eye drawing
- Animal Coloured pencil drawing
- Portrait painting

Art – African Masks

What will I study?

In this project you will:
- Learn about traditional African Masks
- Learn to stencil print on fabric
- Learn to Mono print
- Learn to use recycled card and paper pulp to create a mask

Artists studied
- Traditional African Art

How will I be assessed?

- Baseline tonal drawing – African Mask
- Mask designs
- Final Mask

Design Technology – Illumination

What will I study?

In this project you will learn:
- Woodwork joints
- Technical Drawing skills using 2D design software
- Learn Electronics (circuits & soldering)

Design Brief
To design and make a light for a family member

How will I be assessed?

- Image design for light
- Electronics theory assessment
- Final product & written evaluation

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Photography – Architecture

What will I study?

In this project you will:
- Learn to create a photographic collage (physical and digitally)
- Develop skills in photography
- Develop tonal and line drawing skills
- Learn to use photopea

Design brief
Design and make a college that could be used to promote a town.

Artists studied:
- Minty Sainsburys & Patric Dreier

How will I be assessed?

- Accurate drawings of Architecture
- Architecture photographs
- Final collage

Textiles – Under the Sea

What will I study?

In this project you will:
- Learn the following textile techniques, dyeing, machine stitching, hand stitching and reverse applique
- Learn to use a sewing machine

Design Brief
To design and make and reverse applique sea creature image that could be sold in Sealife Centre's gift shop

Artists studied
- A brief history of Textile and Fashion artists

How will I be assessed?

- Tonal Drawing of sea creatures
- Design ideas
- Final reverse applique sample

Food Technology – Our Food and Our World

What will I study?

In this project you will:
- Learn about food miles are and how they affect the environment
- Sustainable fishing
- Learn how the choices made as consumers can make a difference.
- Develop your understanding of what makes a healthy diet

How will I be assessed?

Your practical making skills will be assessed in the following dishes:
- Pasta with a Tomato sauce – making a sauce & knife skills
- Macaroni Cheese – making a rue and sauce
- Fruit Crumble – following a recipe and baking

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Year 8 Art and Technologies Computing

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Autumn Term

What will I study?

Systems Security
In this unit of work, you gain a more developed understanding of the laws that apply to computing and ICT legislation. Learn about the types of Malware and how they can be prevented, using penetration testing.

Computational Thinking and Programming
In this unit of work, you will learn and understanding how computers use algorithms and solve problems

App Design
We start this unit in the Autumn term, you learn to create an app to help raise awareness of a local issue. We take part in an Amazon Web Services competition against other schools nationally.

How will I be assessed?
Written assessments at the end of each topic.

Spring Term

What will I study?

App Design
You will complete and submit your final App design this term.

Network Hardware
In this unit of work, you will learn about Hardware and Software, such a routers and modems which are required to create a a Network

Network Topology
In this unit of work, you will learn how networks are connected. You will be able to decide upon the best network topology for specific companies. We will also look at what Impacts a network.

How will I be assessed?
Written assessments at the end of each topic.

Summer Term

What will I study?

Python Programming
In this unit of work, you will learn to program using Python, which is a text-based programming language. you will develop your understanding of Algorithms and Iteration

Microbit Programming
In this unit of work, you will develop your programming skills, using Microbit and Python programming.

How will I be assessed?
Written assessments at the end of each topic.

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Year 9 Art and Technologies

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Photography – Digital Portraits

What will I study?

In this project you will:
- About different artists who create portraits
- To use photo pea and photoshop
- To take high quality photos considering composition
- Digital and graphic magazine layout skills

Artist Studied
- Julian Opie, Hattie Stewart and Alana Dee Haynes

How will I be assessed?

- Artist research page
- Digital outcome inspired by an artist
- Final magazine photography cover

Textiles – Graffiti Print

What will I study?

In this project you will:
- Develop your painting and tonal drawing skills
- Learn to cut a paper stencil with a craft knife
- Learn to screen print

Artist Studied
- Scott Hynd - Pop and Street/Graffiti Art

How will I be assessed?

- Character tonal drawing
- Character Painting
- Fabric Screen Print

Food Technology – The Importance of Healthy Eating

What will I study?

In this project you will:
- Learn about the links between a poor diet and health issues, including tooth decay and cancer
- Learn about the effects of eating too much Ultra Processed Food
- Learn about food labelling and how this information can help you stay healthy

How will I be assessed?
Your practical making skills will be assessed in the following dishes:
- Mini Carrot Cakes– baking
- Chicken Korma – H&S, cooking with spices
- Create your own Burger – Adapting a recipe

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Year 9 Art and Technologies

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Art – Pop Art

What will I study?

In this project you will:
- Learn about Pop Art
- Develop your observational drawing skills
- Develop your skills in painting & using stencils

Artist's Studied
- Roy Lichtenstein
- Andy Warhol

How will I be assessed?

- Artist copy
- Tonal portrait drawing
- Final Pop Art painting

Art – Insect Repeat Prints

What will I study?

In this project you will:
- Learn to Press print
- Learn to print in a repeat pattern
- Develop your tonal drawing skills

Artist's Studied
- Orla Kiely – fashion/textile designer

How will I be assessed?

- Insect tonal drawing
- Colour pencil study
- Repeat Pattern press print

Design Technology – Sweet Dispenser

What will I study?

In this project you will:
- Learn to make a product template, which is measured correctly and how to transfer this on to a material
- Learn to make a rotary mechanism
- Learn to work and combine different materials, wood, metal & acrylic

Design Brief
You have been asked by a sweet company to design and make a sweet dispenser that can be, personalised and brought in shops or online

How will I be assessed?
- Product design
- Mechanism theory assessment
- Final product & written evaluation

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Year 9 Art and Technologies Computing

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Autumn Term

What will I study?

Data Representation
In this unit of work, you will learn how computers represent information such as image, sound, numbers. Convert between binary and denary and convert hexadecimal numbers. Learn and understand the purpose of compression. Understand how instructions are stored and executed within a computer system

Boolean Logic
In this unit of work, you will learn simple boolean logic. Understand how circuits and switches are used in computing

How will I be assessed?
Written assessments at the end of each topic.

Spring Term

What will I study?

Photoshop
In this unit of work, you will learn to how to create digital image for a given audience. Understanding the key features of photoshop and how to use the tools to create layering effects.

Animation and Website Development
In this unit of work, you will learn to use animation tools to make moving images, creating moving images for a specific audience.

Interactive Media
In this unit of work, you will create an interactive media product for a design brief, looking at promotions and advertising.

How will I be assessed?
Written assessments at the end of each topic.

Summer Term

What will I study?

Python programming
In this unit of work, you will develop your programming skills using Python, focusing on a more challenging project. You will learn how to develop your programme using logic, selection procedures and IF statements.

Microbit Programming
In this unit of work, you will develop your programming skills using Microbit and Python programming, focussing on a more challenging project looking at input and output.

How will I be assessed?
Written assessments at the end of each topic.

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