Curriculum Narrative

Subject: *Art, Design and Technology*	**Year:** *8*	**Author:** *D. Nicholls*

Key Knowledge
Students will know

Key Threshold Concepts:

3D Design
- Ferrous and Non-Ferrous metals
- Card modelling to communicate ideas
- The need for, and properties of, a range of surface finishes

Food
- Food Safety and Hygiene
- Healthy eating, Food choices and dietary needs
- The core concepts of how to remain safe in a kitchen

Art, Craft and Design
- Portraiture – Drawing skills, tonal drawing, line drawing, wire drawing,
- Advanced pencil use using full range of tone, charcoal, fine liner
- Collage and mixed media
- Core concepts of Art: Graduated tone, composition, proportion, depth, accuracy of line, observational, mark-making, texture, contextual references & use of art specific language
- Typography – Colour, lino printing.
- An understanding of typography and historical links to sign writing.

Textiles
- Working properties of common Textiles materials and tools
- Foundational understanding of fabrics
- Core sewing skills and stitches

Graphics
- Architecture – Drawing skills, line drawing, continuous line drawing, colour, watercolour, 3Dimensional, contextual references, monoprinting

Key Skills
Students will be able to

Subject Skills:

Common across all specialisms:
Analysis of a problem or brief, Understanding of materials and specialist processes, How to develop, plan, and communicate ideas, How to safely work with tools, equipment, materials, and components to make quality outcomes, Evaluate processes and products.

3D Design
- Health and Safety principles
- An understanding of Metal as a material – Ores to Bars
- Use of hand tools –hacksaw, abrasive papers, mallets, metalcraft tools
- Use of pedestal machines – pillar drill, fretsaw, belt sander
- Use of Industrial Processes – Vacuum Former, CAD CAM

Food
- Health and Safety principles
- The Eatwell plate
- Dietary needs – Gluten Free, Allergens, Dairy etc

Art, Craft and Design
- Express opinions on subjects explored confidently
- Use a variety of drawing materials and media
- An understanding of typography and lino printing
- Contextual references – Phil Frost, Kimmy Cantrell, Bob and Roberta Smith, Joby Carter

Textiles
- Demonstrate an ability to complete basic hand stitching
- Show understanding of natural and synthetic materials
- Contextual references – Angie Lewin, Jessica Grady

Graphics
- An understanding of Architecture and drawing techniques
- Contextual references – Freidensriech Hundertwasser, Francisco Fonseca

Subject Specific Knowledge and Sequencing:

Design and Technology **3 lessons each two-week cycle**
Students rotate around subject specialisms within the DT department. completing the following projects:
- **3D Design** – Candle Holder project Safety, Metals
- **Textiles** – Bookmark project, Fabrics and fibres
- **Food** – Healthy Diets, Safe working, Eatwell plate
- **Graphical skills** –Architecture Drawing skills, Shading, Monoprinting, Mixed Media

Art, Craft and Design 1 lessons each two-week cycle
- **Autumn/Spring** – Portraiture, Line drawing, proportion, pencil, charcoal, mixed media, collage. Contextual references, African Culture, Phil Frost, Kimmy Cantrell
- **Spring/Summer** – Typography, printmaking, painting, assemblage. Contextual references – Rob and Roberta Smith, Joby Carter

Prerequisites and Spiral Teaching:
- Students will often start year 8 with a basic understanding of material classifications, Health and Safety and designerly thinking.
- Students should have some skills in using specialist tools and equipment
- Students will have knowledge with art skills of painting, drawing and sculpture, including the formal elements of art.
- Students will be taught knowledge about material classifications and properties.
- Students will be taught to use a wider range of tools and processes, building on their experiences last year.

Cross-Curricular Knowledge Links
- **English-** Evaluating, Speaking and listening skills
- **Maths-** Measuring skills, isometric drawings (3D shapes) analysing data
- **Art/History**- Art and Design movements
- **Citizenship**- Communication skills/Teamwork
- **ICT**- Use of Microsoft Office, Adobe Software

Reading Lists / Sources / Reading around the subject recommendations:
- Basic technical drawing by McGraw-Hill Education
- CGP Design and Technology Revision guide and workbook
- www.bbcbitesize.co.uk
- www.technologystudent.co.uk

- D&T app for smartphone


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