Subject: Computing and IT	**Subject Intent:** The Computing/ICT curriculum **engages** pupils through an interactive and exciting curriculum. It **develops** pupils' digital skills, knowledge and the ability to use technology to **communicate** about their work and with the wider community. The Computing/ICT curriculum supports pupils to use technology in a safe and respectful way. The Computing/ICT curriculum aims to inspire pupils to **aspire** to use their skills and knowledge for their life at Dawn House School and beyond.

Develop:	**Engage:**	**Communicate:**	**Aspire:**
• To develop students' use of creativity and imagination. • Enable students to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. • Through a diversity of approaches to promote active learning both in small groups and independently. • To develop students' confidence in using 21st Century digital technologies.	• Have high expectations for all students by setting ambitious learning challenges. • Equal Opportunities – by responding to pupils' diverse learning needs. • Identify the potential barriers to students' learning and address this through careful differentiation accordingly for individuals and pupils.	• To learn and embed the use of using appropriate, subject specific vocabulary and terminology. • To encourage the students to use discussion, reasoning and explanation to reflect on learning. • Embedding literacy opportunities into SOW's. • Increased use of literacy targets. • Encouraging pupils in discussion based tasks to feedback using full sentences. • To enable students to become visually and verbally literate and develop their confidence and understanding to communicate. • To support students to use digital communication platforms safely and effectively. • To support students to work collaboratively, for example a working on shared documents.	• Resilience and self-esteem as a learner • Staying safe online • Using IT equipment • Problem Solving • Promoting independence and personalised learning • Taking pupils on trips, visits and workshops with outside agencies • Life Skills • ICT skills for most jobs. • Qualifications to lead to a career in ICT/Computing • Being healthy • Staying safe • Enjoying and achieving • Making a positive contribution • Achieving economic well being

Overview:

	Autumn 1:	Autumn 2:	Spring 1:	Spring 2:	Summer 1:	Summer 2:
Primary 1:	**Rule Britannia** • Computing skills delivered cross-curricular	**Arctic Adventures** • Computing skills delivered cross-curricular	**Festival** • Computing skills delivered cross-curricular	**Toys** • Computing skills delivered cross-curricular	**Weather/Seasons** • Computing skills delivered cross-curricular	**Significant Explorers** • Computing skills delivered cross-curricular

	Autumn 1:	Autumn 2:	Spring 1:	Spring 2:	Summer 1:	Summer 2:
Primary 2:	**Coding** • Kodu • Scratch Animation	**Digital Creativity** • Multi-media project • Digital graphics • e-Cards	**e-Safety** • 'Safer Internet Day' Resources	**Data Handling** • Introduction to databases and spreadsheets	**Digital Literacy** • Working with text • Storyboardthat.com	**Innovative Technologies**

	Autumn 1:	Autumn 2:	Spring 1:	Spring 2:	Summer 1:	Summer 2:
Junior:	**Coding** • Kodu • Scratch Animation	**Digital Creativity** • Multi-media project • Digital graphics • e-Cards	**e-Safety** • 'Safer Internet Day' Resources	**Data Handling** • Introduction to databases and spreadsheets	**Digital Literacy** • Working with text • Storyboardthat.com	**Innovative Technologies**

	Autumn 1:	Autumn 2:	Spring 1:	Spring 2:	Summer 1:	Summer 2:
KS3:	**Coding** • Visual Programming Language • BBC Microbit	**Digital Creativity** • Music Technology • Garage band and web apps	**eSafety** • 'Safer Internet Day' resources	**Data Handling** • Using Databases • Web apps	**Digital Literacy** • Creating a presentation • PowerPoint and web applications	**Innovative Technologies** • Augmented and Virtual Reality

	Autumn 1:	Autumn 2:	Spring 1:	Spring 2:	Summer 1:	Summer 2:
KS4:	• Digital Skills • Website Design	• Digital Skills • Using productivity software	• Digital Skills • Excel skills • Staying safe in the Digital World	• Digital Skills • Finance • Data Handling • Digital Security	• Digital Skills • e-Portfolio for work • Examination Skills	• eCommerce Project

	Autumn 1:	Autumn 2:	Spring 1:	Spring 2:	Summer 1:	Summer 2:
KS5:	• Digital Skills • Website Design	• Digital Skills • Using productivity software • Networking	• Digital Skills • Excel skills • Staying safe in the Digital World	• Digital Skills • Finance • Data Handling • Digital Security	• Digital Skills • e-Portfolio for work • Examination Skills • Critical evaluation	• eCommerce Project

	Autumn 1:	Autumn 2:	Spring 1:	Spring 2:	Summer 1:	Summer 2:
KS4/5 Option: Music Technology	**Recording** • Introduction to mixing consoles • Input levels • Microphone skills • Tracking	**Sequencing** • Introduction to DAWs • Mixing • Automation • Creating Loops • Beat matching • Foley	**Production Skills** • Digital Signal Processing • EQ • Filtering • Mastering • Exporting	**Project** (AIM Award) • Utilising skills taught to create a multi-track recording	**Project** (AIM Award) • Utilising skills taught to create a multi-track recording	**Project** • Create a music compilation product (CD, download, stream etc) of student work.

	Autumn 1:	Autumn 2:	Spring 1:	Spring 2:	Summer 1:	Summer 2:
KS4/5 Option: Creative Industries	**2D & 3D modelling** • Introduction to using image editing software (GIMP) • Image Layers • Creating background images • Applying visual effects	**Video production skills** • Using a timeline (sequencing) • Editing tools • Importing and Exporting • Stock Footage • Copyright	**Workflow** • Audio editing • SFX • Compositing • Mastering	**Project** (AIM Award) • Utilising skills taught to create an advert/ movie trailer etc	**Project** (Aim award) • Utilising skills taught to create an advert/ movie trailer etc	**Project** • Create school marketing video