Barnsley Academy – (Year and Subject) Curriculum
Scheme of Work – 2023-24

Term 1 – Week 1-2		
	1	**2**
Lesson Focus	Logon on to the computer and accessing Office 365	Baseline assessment
Prerequisite Knowledge	None	Previous knowledge of computers from primary school
Core Knowledge	Usernames and passwords Using emails Accessing One Notes	Baseline showing previous ICT skills from primary
Expert Model /Guided Practice/Agreed Approach (Procedural Knowledge)	Expert model • how to access the computer using their username and password. • Accessing Office 365 • Sending emails and emails with attachments • Set up the filing system	
Independent Practice	Login on to the computer and accessing their office 365. Sending emails to the staff member with and without attachments	Skills audits showing the skills they have from primary. Completing Baseline test
Assessment (Informal/Formal)	Informal assessment teacher to circulate the room and support students completing the work	Formal assessment staff to circulate the room to assess student skills
Resources	One note	One note and PPT
Specific SEN(D)/EAL support	Expert models and demonstrations to support students	Expert models and demonstrations to support students

Term 1 – Week 3-4		
	3	4
Lesson Focus	Documents and searching the internet	Creating a Questionnaire
Prerequisite Knowledge		Opening a new document and saving work. Using bold and underlining for titles
Core Knowledge	Skills • Setting up a Word document • Inserting the Header and Footer • Adding headings and sub-headings in a document • Researching the Internet using keywords	Skills • Setting up a Word document • Adding bullet points and numbers
Expert Model /Guided Practice/Agreed Approach (Procedural Knowledge)	Model how to set up the documents using Impero to ensure that students are following the teacher demo.	Expert model of setting up a questionnaire
Independent Practice	Creating the document in Word and carrying out the Music festival research. To include - Definition and research existing festival	Creating a questionnaire using the skills demonstrated in the Expert Model
Assessment (Informal/Formal)	Informal assessment teacher to circulate the room and support students completing the work	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen
Resources	PPT and One Notes	PPT and One Notes
Specific SEN(D)/EAL support	Overlays to support if required. Expert models and demonstrations to support students	Overlays to support if required. Expert models and demonstrations to support students

Term 1 – Week 5-6		
	5	6
Lesson Focus	Music festival research - Acts	Music festival research - Locations
Prerequisite Knowledge	Searching the internet using keywords Copying and pasting using the correct method Using headings and sub-headings in work	Searching the internet using keywords Copying and pasting using the correct method Using headings and sub-headings in work
Core Knowledge	Researching information on the internet Using feedback to make decisions	Researching information on the internet
Expert Model /Guided Practice/Agreed Approach (Procedural Knowledge)	Artists at their Music Festival Expert model the how to copy and paste using URL's when copying information Explain using the model how to achieve Bronze, Silver and Gold	Expert model the how to copy and paste using URL's when copying information Explain using the model how to achieve Bronze, Silver and Gold
Independent Practice	Peers to complete questionnaires Carrying out their research online and finding images of the artists at their festival.	Carrying out research on different locations for the music festival and an explanation of the location chosen and why
Assessment (Informal/Formal)	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen
Resources	PPT and One Notes Work from the previous lesson	PPT and One Notes Work from the previous lesson
Specific SEN(D)/EAL support	Overlays to support if required. Expert models and demonstrations to support students	Overlays to support if required. Expert models and demonstrations to support students

Term 1 – Week 7-8		
	7	**8**
Lesson Focus	DIRT	Introduction to Fireworks
Prerequisite Knowledge	Knowledge from previous lessons	
Core Knowledge	Knowledge from previous lessons	Why businesses use logos Formatting skills in Fireworks • Writing • Colours • Shapes • Filter
Expert Model /Guided Practice/Agreed Approach (Procedural Knowledge)	Model how use feedback to improve work	Expert model showing how to open a new document and design a logo. Show skills step by step - Name then changing colours, then adding shapes etc.
Independent Practice	Improvements to be made to the research	Creating a name tag
Assessment (Informal/Formal)	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen
Resources	PPT	Firework examples
Specific SEN(D)/EAL support	Overlays to support if required. Expert models and demonstrations to support students	Overlays to support if required. Expert models and demonstrations to support students Support cards to show different skills step by step - also on One Note

Term 2 – Week 1-2		
	9	10
Lesson Focus	Creating a logo for the Music Festival	Creating a logo for the Music Festival
Prerequisite Knowledge	Using the internet to carry out research. Understand why Businesses use Logos and formatting skills in Fireworks	Using the internet to carry out research. Understand why Businesses use Logos and formatting skills in Fireworks
Core Knowledge	Recap core knowledge and question about formatting skills in Fireworks • Writing • Colours • Shapes • Filter	Recap core knowledge and question about formatting skills in Fireworks • Writing • Colours • Shapes Filter
Expert Model /Guided Practice/Agreed Approach (Procedural Knowledge)	Remind students how to carry pout research online and copy and pasting in to One Note. Expert	Remind students how to carry pout research online and copy and pasting in to One Note. Expert
Independent Practice	Creating the Music festival logo in Fireworks	Creating the Music festival logo in Fireworks
Assessment (Informal/Formal)	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen
Resources	PPT	PPT
Specific SEN(D)/EAL support	Overlays to support if required. Expert models and demonstrations to support students	Overlays to support if required. Expert models and demonstrations to support students

Term 2 – Week 1-2		
	11	**12**
Lesson Focus	Cyber Explorers - Introduction	Cyber Explorers – network security
Prerequisite Knowledge	None	Understanding the cyber world and impacts on jobs from previous lesson.
Core Knowledge	Understand how technology is relied upon and enhances most industries. Understand the need for digital skills in career roles.	Understand the concept of computer networks and common deployments. Understand how firewalls and encryption are used to protect networks and data. Understand the Internet of Things (IoT), risks and uses.
Expert Model /Guided Practice/Agreed Approach (Procedural Knowledge)	Discussion on technology and the impact on various industries. Think about careers that might be of interest and relate to the impact of technology.	Discussion on what is a network and common places where it can be deployed in industry and organisations. Discussion on what is a firewall and the use of encryption to protect data.
Independent Practice	Students log onto the Cyber explorer website using their email and setting their passwords. They watch the content on hangouts. They record their learning on their diaries on OneNote.	Students log onto the Cyber explorers and choose a character and complete the challenges.
Assessment (Informal/Formal)	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen
Resources	PPT, cyber explorers	PPT, cyber explorers
Specific SEN(D)/EAL support	Overlays to support if required. Expert models and demonstrations to support students	Overlays to support if required. Expert models and demonstrations to support students

Term 2 – Week 1-2		
	13	14
Lesson Focus	Cyber Explorers – securing devices and software	Cyber Explorers – defending against malware
Prerequisite Knowledge	Undeestanding the cyber world and links with network security from previous lessons.	Understanding the cyber world and securing software from previous lesson.
Core Knowledge	Identify sources of software and risks of using untrusted products. Understand the importance of updates and patches. Recognise common security settings, specifically browser/mobile applications. Understand the role of an Application Security Specialist.	Recognise common types of malware and delivery methods. Understand what can be done to protect against malware. Recognised threat groups and their motivations. Understand the role of Digital Forensics.
Expert Model /Guided Practice/Agreed Approach (Procedural Knowledge)	Discussion on software and the impact of updates, patches etc. Discuss what security settings are and how they impact mobile devices and the need for a security specialist.	Discussion on what is malware and potential effects. The role of hackers and motivations.
Independent Practice	Students log onto the Cyber explorer, choose a character and complete the challenges. They record their learning on their diaries on OneNote.	Students log onto the Cyber explorers and choose a character and complete the challenges.
Assessment (Informal/Formal)	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen	Informal assessment teacher to circulate the room and support students completing the work Show work on-screen
Resources	PPT, cyber explorers	PPT, cyber explorers
Specific SEN(D)/EAL support	Overlays to support if required. Expert models and demonstrations to support students	Overlays to support if required. Expert models and demonstrations to support students