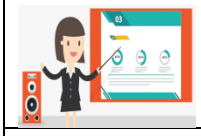
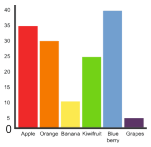
YEAR 5 AND 6 COMPUTING

SKILLS PROGRESSION

Topic	Skill level
Sound Recording and Video	• Plan and produce a multi-scene animation • Storyboard and capture videos for a purpose. • Plan for the use of special effects and transitions. • Trim, arrange and edit audio levels to improve quality of their outcome. • Collect audio from a variety of resources including own recordings and internet clips. • Create a multi-track recording using effects. Edit and refine their work to improve outcomes
Presentation 	• Work independently to create a multi slide presentation • Use transitions and animations to improve the quality of the presentation. • Include sounds and moving graphics in the slides. Present to a large group.
Coding	• Use numbers to determine the speed of a car in a game. • Generate random numbers and use them in simulations • Use variables in more complex ways • Manipulate inputs to create useful outputs • Use property values and parameters in their own games
Internet research	• Use advance search functions in Google. • Understand websites such as Wikipedia are made by users (link to E-Safety). • Use strategies to check the reliability of information (cross check with another source such as books). • Use their knowledge of domain names to aid their judgment of the validity of websites. • Understand files may be saved off their device in 'clouds'. • Upload/download a file to the cloud on different devices.
E-safety	• Judge what sort of privacy settings might be relevant to reducing risks. • Judge when and when not to answer a question online. • Be a good online citizen and friend. • Articulate what constitutes good behavior online. • Use various sources to double check information found online. • Find 'report' and 'flag' buttons in commonly used sites and name sources of help (ChildLine, CyberMentors etc) • Click-CEOP button and explain to parents what it is for. • Discuss scenarios involving online risk. • State the source of information found on the Internet. • Act as a role model for younger pupils.
Data 	• Create data collection forms and enter data accurately from these. • Know how to check for and spot inaccurate data. • Know which formulas to use to change a spreadsheet model. • Make graphs from the calculations on a spreadsheet. • Understand that changing the numerical data affects a calculation.