Computing Learning Journey

Presentation
- Can I choose the correct page options creating documents?
- Can I create a sophisticated multimedia presentation?
- Can I confidently use text formatting tools?
- Can I present a film for a specific audience then adapt it to a different audience?
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E-Safety
- Can I recognize why people publish inaccurate content online?
- Can I understand some websites present commercial content to mislead us?
- Can I recognize copyrighted materials should not be copied?
- Can I use appropriate strategies for finding, critically evaluating, validating and verifying information?
- Can I recognize the meaning of domain extensions?
- Can I use appropriate communication tools to solve problems?
- Can I recognize that some adults may use online techniques to groom children?
- Can I realise that it is extremely difficult to remove things online?
- Can I understand what to do to report suspicious things or people?
- Can I recognize that it is unsafe to meet people online?
- Can I explain the risks of using internet communication tools?
- Can I recognize that I need permission to post other people details?
- Can I understand the risk of sharing personal details online?

Databases
- Can I create my own database and present information using it?
- Can I identify data error, patterns or sequences?
- Can I collect live data using data logging equipment?
- Can I use a spreadsheet formula to complete mathematics?

Algorithms and Programs
- Can I recognise devices have security settings?
- Can I use input from sensors to trigger events?
- Can I detect programming errors and correct and refine them?
- Can I explain how an algorithm works?
- Can I collaborate using the internet?
- Can I make safe choices using technology and the internet?
- Can I follow the school's internet rules?

Data Retrieving and Organising
- Can I make a strong password?
- Can I measure and interpret sound, light or temperature using sensor?
- Can I create events to control an external device?
- Can I reference information sources?
- Can I capture sounds, still images and video?
- Can I search databases for information using symbols (e.g. = > or <)?
- Can I edit a simple film?

Communicating
- Can I use the 'handing indent' tool in formatting?
- Can I use a search engine using keyword searches?
- Can I use and apply my graphics skills.

Using the Internet
- Can I contribute to discussions online?
- Can I use complex searches using '+' or 'OR' or "Find a phrase in inverted commas"?
- Can I conduct a video chat with someone elsewhere in school or in another school?

(Class 4 section)
- Can I manipulate sound using tools such as audacity?
- Can I download and upload sounds?
- Can I listen to streaming audio such as online radio?
- Can I write programs that have sequences or repetitions?
- Can I use ICT to measure sound or light or temperature sensors?

Communicating
- Can I use instant messaging to communicate with a class member?
- Can I conduct a video chat with people in another country or organisation?
- Can I use a search engine using keyword searches?
- Can I decide what sections are appropriate to copy and paste?
- Can I select music from open sources and incorporate them into multimedia presentations?
- Can I understand an input or output?

Using the Internet
- Can I 'save as' a .gif or jpeg wherever possible to make an image file smaller?
- Can I add special effects to alter graphics?
- Can I compare results of different searches?
- Can I download a document and save it?
- Can I recognise that information or people on the internet may not be accurate?
- Can I cross check information for truth?

Databases
- Can I create a formula in a spreadsheet and check it?
- Can I create a graph and tables and copy and paste it into another document?
- Can I recognise copyright exists?
- Can I recognise that computer games can manipulate us into sharing details?

Presentation
- Can I use a range of presentation software?
- Can I create a website with links to other pages?
- Can I use a word count tool?
- Can I prepare then present a simple film?
- Can I recognise terms 'cells', 'rows' and 'columns'?
- Can I create a lengthy presentation aimed at a specific audience?
- Can I enter and highlight data then create a pie chart?
- Can I sort a database?
- Can I input data into a database?
- Can I open a document (e.g. pdf) to view?
- Can I use bullet points and numbering tools?

CLASS 4

Algorithms and Programs
- Can I use a program to control an electrical and/or mechanical device?
- Can I combine sequences of instructions to turn devices on or off?
- Can I recognise the difference between plagiarism and re-presenting work?

E-Safety
- Can I explain how to keep safe in online games?
- Can I recognise the need for rules to keep safe online?
- Can I recognise the internet has unsuitable images?
- Do I recognise I need to keep personal details private online?
- Can I underline text, centre text, change font and size and save to a folder?
- Can I insert sound recordings into a presentation?
- Can I recognise a spreadsheet?
- Can I recognise cyber-bullying in unacceptable?
- Can I recognise how to report cyber bullying incident?

Presentation
- Can I use different search engines?

Databases
- Can I hide take useful information from a website?
- Can I recognise the benefits of sending messages?
- Can I choose an image to download?
- Can I make turns in specific degrees?

Using the Internet
- Can I recognise the internet to find information?
- Can I use spell check to edit spellings?
- Can I open a link in a new window using tabbed browsing?
- Can I search the internet to find information?
- Can I copy and paste graphics from a range of places into a word document?
- Can I capture images using different devices e.g. webcams or visualiser?

Communicating
(Class 3 section)
- Can I find correct information browsing a website menu?
- Can I use an email address book?
- Can I manipulate sounds?
- Can I download images from a camera to a computer?
- Can I review images on a camera and delete unwanted ones?
- Can I start to write more complex instructions?
- Can I draw shapes using commands on a screen?

Using the Internet
- Can I 'save picture as' an image to a computer then import it?
- Can I combine text, images and sounds?
- Can I search for an image and copy and paste it?
- Can I open and send an attachment in an email?
- Can I edit photos to crop and add effects?

Databases
- Can I use a branching database?
- Can I sort and search a database?
- Can I input data into a prepared database?
- Can I experiment with variables to control models?

Presentation
- Can I underline text, centre text, change font size and save to a folder?
- Can I follow the school's internet rules?
- Can I create a presentation that moves from slide to slide?

E-Safety
- Can I identify when emails should not be opened?
- Can I explain how to use email safely?
- Can I recognise bookmarking is a way to find safe sites again quickly?
- Can I recognise you only open email from known sources?
- Can I evaluate websites and recognise not all sites are truthful?
- Can I recognise that they must tell a trusted adult immediately if anyone tries to me them via the internet?

Algorithms and Programs
- Can I repeat instructions to draw regular shapes?
- Can I experiment with variables to control models?
- Can I create instructions from point A to point B?
- Can I predict whether a set of instructions will succeed?

CLASS 3

E-Safety
- Can I act if I find something inappropriate online or something, I am unsure of?
- Can I use the internet for learning, making sensible choices?
- Can I recognise advertising on websites and learn to them ignore them?

Algorithms and Programs
- Can I use 90 degree and 45 degree turns?
- Can I give a robot directional instructions?

Communicating
(Class 2 section)
- Can I recognise the differences between emails and blogs or wikis?
- Can I recognise different methods of online communication?
- Can I recognise that website include pop-up that link away from sites?
- Can I recognise the spacebar, backspace, enter, shift and arrow keys?
- Can I write something in a word processor?
- Can I use the @ symbol correctly?
- Can I recognise an email address?
- Can I insert/delete a word using a mouse or the arrow keys?
- Can I highlight text and **bold**, underline or *italic* it?
- Can I start to use a word processor?

E-Safety
- Can I recognise not to share personal information?
- Can I use right angle turns?
- Can I write and test a simple program?
- Can I click on links in a website?
- Can I use shape tools to draw?

Algorithms and Programs
- Can I print a document with support?
- Can I send an email as a whole class?
- Can I use a safe search engine?
- Can I follow our school internet rules?
- Can I use a password to access a secure site?
- Can I predict outcomes from an instruction or program?
- Can I use repeat commands?
- Can I find information on a website?
- Can I experiment with text and pictures o create a slide show?
- Can I safely send and reply to an email to someone within school?

Data Retrieving and Organising
- Can I talk about any results?
- Can I record sound and play it back?
- Can I print a photograph from a camera with support?
- Can I enter data into a simple graph template?
- Can I follow our school internet rules?
- Can I think before I click?
- Can I be nice to others?
- Can I start to recognise what is safe to play?
- Can I show an interest in technological toys with knobs, pully real objects?
- Can I recognise the range of technology at home and in school?
- Can I print a webpage to use in a lesson?
- Can I make toys work by pressing parts or lifting flaps?

Communicating
(Class 1 section)
- Can I understand left, right, forwards, backwards, up and down?
- Can I record route?

Algorithms and Programs
- Can I capture images with a camera?
- Can I plan and test a journey with a programmable toy?
- Can I put two instructions together to control a programmable toy?
- Can I create a simple set of instructions?

CLASS 2

E-Safety
- Can I use age appropriate technology?
- Can I go to a trusted adult for help?

Communicating
- Can I interact with age-appropriate computer software?

Data Retrieving and Organising
- Can I recognise that information can be retrieved from computers?

CLASS 1

Algorithms and Programs
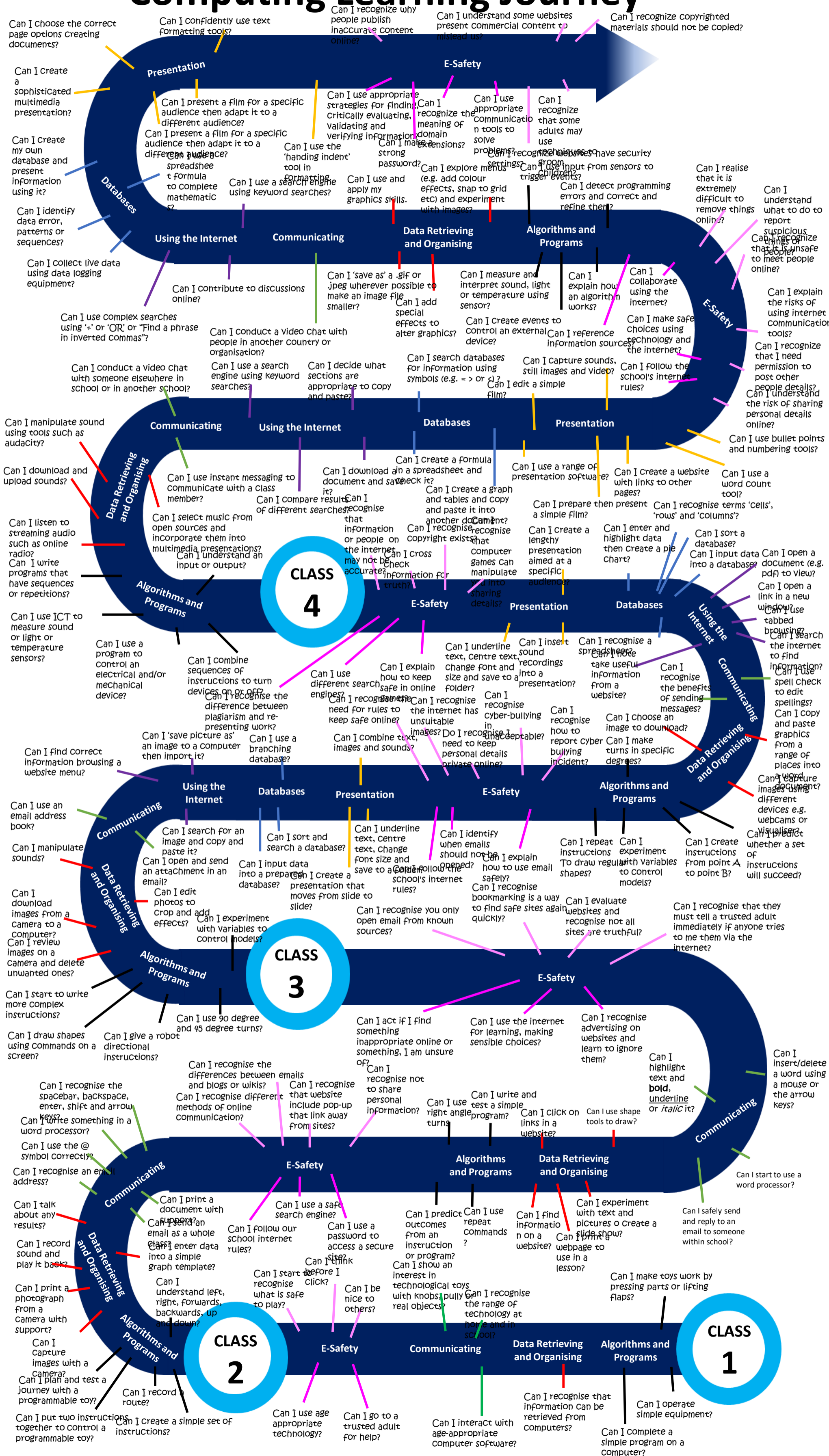- Can I operate simple equipment?
- Can I complete a simple program on a computer?

Computer Science

Information Technology

Digital Literacy