Churchill Park School

# Mid Term Plan – Key Stage 3 - - Past, present and Future

Computing

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 |
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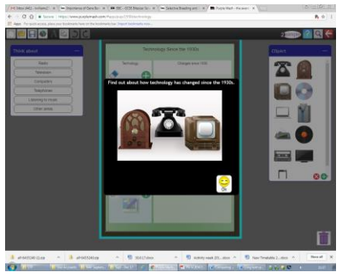
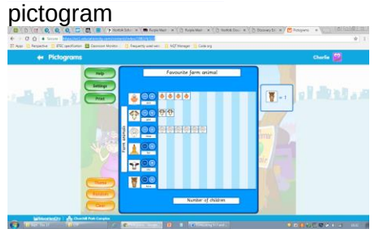
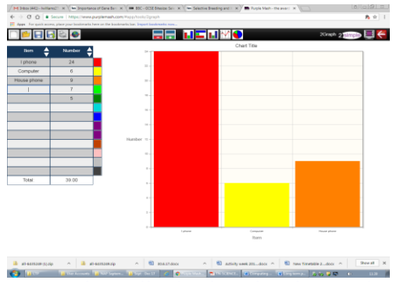
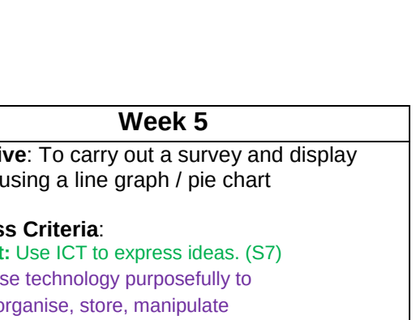
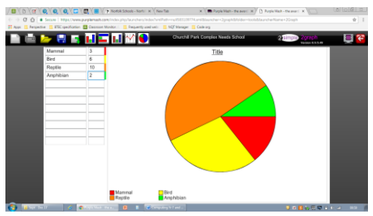
| | **Objective**: I am learning how data can be displayed in different ways<br><br>**Success Criteria**:<br>**Support:** Use ICT to express ideas. (S7)<br>**Core:** Communicate how ICT is used to record and store information. (S10)<br>**Extension:** Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals. These goals should include collecting, analysing, evaluating and presenting data and information.(S16)<br><br>LOtC: Practise drawing different graphs chart outside drawn in chalk. Treasure hunt for different graphs / charts. Identify what chart are they? Bar? Line? Pictogram?<br>SMSC: Develop deep thinking and enquiry skills<br>Using IT:<br>**Suggested Activities:**<br>• **Google following keywords and find a picture of each:**<br>• **Carroll diagram**<br>• **Venn diagram**<br>• **Tally chart**<br>• **Pictogram**<br>• **Bar chart**<br>• **Line graph**<br>• **Pie chart**<br><br>• **https://www.purplemash.com/#search/eyJzZWFyY2giOiJkYXRhIiwieWVhcmdyb3VwcyI6IlsInN1YmplY3RzIjoiIn0=**<br><br>https://ec1.educationcity.com/search/results/#q=data<br><br>How do you think we could collect data in the future? Will we still use computers or will something else have been invented?<br>How do you think data was collected/recorded in the past?<br>How do you think they recorded all the details for the Census! | **Objective**: To look at how technology has changed through time<br><br>**Success Criteria**:<br>**Support:** Use ICT to express ideas. (S7)<br>**Core:** Use technology purposefully to create, organise, store, manipulate and retrieve digital content. (S12)<br>**Extension:** Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals. These goals should include collecting, analysing, evaluating and presenting data and information.(S16)<br>LOtC: Trip to museum.<br>SMSC: Develop deep thinking and enquiry skills<br>Using IT:<br>**Suggested Activities:**<br>**https://www.purplemash.com/#app/pup/1930stechnology**<br><br>  <br>• <br>• Use / create a powerpoint on how technology has changed through time.<br><br>How do you think you would have managed in the past? What would you have to do differently? (eg how would you wash your clothes? Cook?)<br><br>What inventions would you like to see in the future? | **Objective**: To carry out a survey and display results using a pictogram<br><br>**Success Criteria**:<br>**Support:** Use ICT to express ideas. (S7)<br>**Core:** Use technology purposefully to create, organise, store, manipulate and retrieve digital content. (S12)<br>**Extension:** Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals. These goals should include collecting, analysing, evaluating and presenting data and information.(S16)<br><br>LOtC: Survey. Draw pictograms outside in chalk<br>SMSC: Develop deep thinking and enquiry skills<br>Using IT:<br>**Suggested Activities:**<br>**https://www.purplemash.com/#app/tools/2countjs Pictogram maker**<br><br> <br><br>• https://ec1.educationcity.com/content/index/1882/4/2/2 Create a pictogram<br>  <br>• <br>• <br>• | **Objective**: To carry out a survey and display results using a bar chart<br><br>**Success Criteria**:<br>**Support:** Use ICT to express ideas. (S7)<br>**Core:** Use technology purposefully to create, organise, store, manipulate and retrieve digital content. (S12)<br>**Extension:** Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals. These goals should include collecting, analysing, evaluating and presenting data and information.(S16)<br><br>LOtC: Survey. Draw bar charts outside in chalk<br>SMSC: Develop deep thinking and enquiry skills<br>Using IT:<br>**Suggested Activities:**<br>• https://www.purplemash.com/#search/eyJzZWFyY2giOiJkYXRhIiwieWVhcmdyb3VwcyI6IlsInN1YmplY3RzIjoiIn0=<br><br>  <br>• https://ec1.educationcity.com/search/results/#q=data<br>• MS Excel: Use spreadsheet to enter data and choose bar chart to display<br>• <br>• https://ec1.educationcity.com/content/index/19739/8/8/2 bar chart<br> <br>• | **Objective**: To carry out a survey and display results using a line graph / pie chart<br><br>**Success Criteria**:<br>**Support:** Use ICT to express ideas. (S7)<br>**Core:** Use technology purposefully to create, organise, store, manipulate and retrieve digital content. (S12)<br>**Extension:** Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals. These goals should include collecting, analysing, evaluating and presenting data and information.(S16)<br><br>LOtC: survey. Draw line graph / pie charts outside in chalk.<br>SMSC: Develop deep thinking and enquiry skills<br>Using IT:<br>**Suggested Activities:**<br>• https://www.purplemash.com/#search/eyJzZWFyY2giOiJkYXRhIiwieWVhcmdyb3VwcyI6IlsInN1YmplY3RzIjoiIn0=<br>• https://ec1.educationcity.com/search/results/#q=data<br>• MS Excel: Use spreadsheet to enter data and choose line graph/pie chart to display<br>  <br>• <br>• <br>  |
| | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |

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# Mid Term Plan – Key Stage 3 - - Past, present and Future

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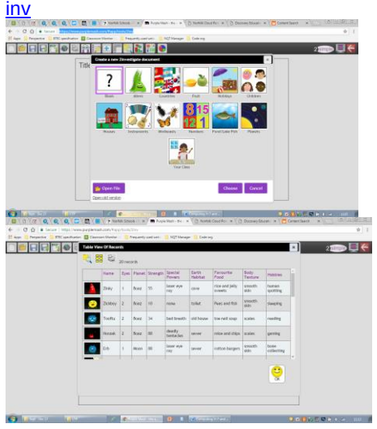
| | **Objective**: I am learning how to use a database to find out information<br><br>**Success Criteria**:<br>**Support:** Use ICT to express ideas. (S7)<br>**Core:** Use technology purposefully to create, organise, store, manipulate and retrieve digital content. (S12)<br>**Extension:** Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals. These goals should include collecting, analysing, evaluating and presenting data and information.(S16)<br><br>LOtC:<br>SMSC: Develop deep thinking and enquiry skills<br>Using IT:<br>**Suggested Activities:**<br>• Using databases to find out information<br>• https://www.purplemash.com/#app/tools/2inv<br>•  <br>• Use MS access to create database | **Objective**:I am carrying out a survey and choosing how to display my results using the skills I have learnt in the past half term.<br><br>**Success Criteria**:<br>**Support:** Use ICT to express ideas. (S7)<br>**Core:** Use technology purposefully to create, organise, store, manipulate and retrieve digital content. (S12)<br>**Extension:** Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals. These goals should include collecting, analysing, evaluating and presenting data and information.(S16)<br><br>LOtC: Survey.<br>SMSC: Develop deep thinking and enquiry skills<br>Using IT:<br>**Suggested Activities:**<br>• **Survey relating to topic.**<br>• **Use of education city / purple Mash /MSExcel to display results.** | **Objective**:<br><br>**Success Criteria**:<br>**Support:**<br>**Core:**<br>**Extension:**<br>LOtC:<br>SMSC<br>Using IT:<br>**Suggested Activities:**<br>• | **Objective**:<br><br>**Success Criteria**:<br>**Support:**<br>**Core:**<br>**Extension:**<br>LOtC:<br>SMSC<br>Using IT:<br>**Suggested Activities:**<br>• | **Objective**:<br><br>**Success Criteria**:<br>**Support:**<br>**Core:**<br>**Extension:**<br>LOtC:<br>SMSC<br>Using IT:<br>**Suggested Activities:**<br>• |
| | **Week 11** | | | | **Suggested Home Learning** |

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| | **Objective**:<br><br>**Success Criteria**:<br>**Support:**<br>**Core:**<br>**Extension:**<br>LOtC:<br>SMSC<br>Using IT:<br>**Suggested Activities:**<br>• | NB: 6 lessons as alternated with Food Tech. | | | Look at how you could sort different things in your home. Eg. Wardrobe: trousers, long sleeved tops, short sleeved tops, skirts. Is this the only way you could sort clothes? Are there any other ways?<br><br>Shoes: boots, sandals, trainers and so on<br><br>Make a tally chart of results<br><br>What do you have the most / least of? |