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| **Lent 2: Pictograms**  **Subject Computers  Year 2 Medium Term Planning** | | | | | | |
| **National Curriculum Objectives**   * Use technology purposefully to create, organise, store, manipulate and retrieve digital content. * Use technology safely and respectfully, keeping personal information private, identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. | | | | | | |
|  | Lesson 1 | Lesson 2 | Lesson 3 | Lesson 4 | Lesson 5 | Lesson 6 |
| **Learning intention for each lesson:** | I know how to recognise that we can count and compare objects using tally charts. | I know how to recognise that objects can be represented as pictures. | I know how to create a pictogram. | I know how to select objects by attributes and make comparisons. | I know how to recognise that people can be described by attributes. | I know how to present information using a computer. |
| **Recall and retrieval** | E safety new vocabulary and assess existing knowledge linked to previous learning. | E safety  Answer questions about a tally chart. | E safety  Is the data accurate? | E safety  Make a class pictogram from a tally chart. | E safety  What is an attribute?  Examples. | E safety  Name attributes about a person. |
| **Sequence of knowledge throughout the lesson**    **:** | **Key Knowledge**   * I know to to begin to understand the importance of organising data- counting and comparing. * I know how to create own tally chart- * I know how to organise data ad represent the tally count as a total. * I know how to answer questions about a tally chart. | **Key Knowledge**   * I know the meaning of pictogram. * I know how to create a pictogram manually. * I know how to create a pictogram using J2E * I know how to discuss benefits of using computer to create pictograms. * I know how to answer questions related to pictogram. | **Key Knowledge**   * I know how to discuss why accurate data collection is important. * I know different data collection methods. * I know how to collect data to produce a tally chart. * I know how to use data to create a pictogram on the computer. * I k ow how to describe the pictogram. | **Key Knowledge**   * I know what an attribute is. * I know how to group objects by attribute and produce a tally chart. * I know how to represent tally chart in a pictogram. * I know how to answer questions about the pictogram using mathematical language. | **Key Knowledge**   * I know what attributes describe a person. * I know how to describe people using attributes. * I know how to collect and organise data about people using attributes and create a pictogram. * I know how to draw conclusions about the attributes from the data collected. | **Key Knowledge**   * I know different ways of representing data. * I know how to use tally charts and pictogram data to produce a block graph. * I know how to use pictogram data to create a block graph on a tablet. * I know how to discuss and share finding with a partner. * I know how to discuss when it is appropriate and inappropriate to share findings. |
| **Scaffolding** | Prompts for question to be answered. | Paired with HA. | Less data | Scaffold questions | Simple attribute. | Stem question to say what has been found out. |
| **Challenge** | Answer more complex questions. | Paired with HA. | More data | Comparison questions. | More than one attribute. | More than one conclusion. |
|  | **Key Vocabulary**  More than, less than, most, least, organise, data, object, tally chart, votes, total | **Key Vocabulary**  Pictogram, enter, data, tally chart, compare, more than, less than, objects, count | **Key Vocabulary**  Tally chart, data, pictogram, explain, more, less, most, least, more common, least common | **Key Vocabulary**  Attribute, group, same, different, object, more than/less than, most/least | **Key Vocabulary**  Attribute, compare, tally chart, pictogram, more than, less than, most popular, least popular, conclusion | **Key Vocabulary**  Tally chart, pictogram, block diagram, most, least, common, sharing, data |