



# Seamer and Irton CP School

## Progression of knowledge and skills in Computing

### Data and Information: Spring 2



<p><b>Data and Information:</b></p> <p><b>Spring 2</b></p>	<p>EYFS pupils are introduced to basic concepts of data and information handling.</p> <p><b>Counting and Sorting Activities:</b> Using simple games children practice counting and sorting items.</p> <p><b>Graphing Nature:</b> Pupils will create simple graphs using data collected from nature walks or classroom observations.</p>	<p><a href="#">Data and Information - Grouping Data</a></p> <p>Exploring object labels, then using them to sort and group objects by properties.</p> <p>No. of lessons: 6 Overview: <a href="#">Unit Guide</a></p> <p>Skills and Concept Progression <a href="#">Learning Graph</a></p>	<p><a href="#">Data and information – Pictograms</a></p> <p>Collecting data in tally charts and using attributes to organise and present data on a computer.</p> <p>No. of lessons: 6 Overview: <a href="#">Unit Guide</a></p> <p>Skills and Concept Progression <a href="#">Learning Graph</a></p>	<p><a href="#">Creating-media-desktop-publishing</a></p> <p>Branching databases Building and using branching databases to group objects using yes/no questions.</p> <p>No. of lessons: 6 Overview: <a href="#">Unit Guide</a></p> <p>Skills and Concept Progression <a href="#">Learning Graph</a></p>	<p><a href="#">Data-and-information-data-logging</a></p> <p>Data logging Recognising how and why data is collected over time, before using data loggers to carry out an investigation,</p> <p>No. of lessons: 6 Overview: <a href="#">Unit Guide</a></p> <p>Skills and Concept Progression <a href="#">Learning Graph</a></p>	<p><a href="#">Data-and-information-flat-file-databases</a></p> <p>Flat-file databases Using a database to order data and create charts to answer questions.</p> <p>No. of lessons: 6 Overview: <a href="#">Unit Guide</a></p> <p>Skills and Concept Progression <a href="#">Learning Graph</a></p>	<p><a href="#">Data-and-information-spreadsheets</a></p> <p>Introduction to spreadsheets Answering questions by using spreadsheets to organise and calculate data.</p> <p>No. of lessons: 6 Overview: <a href="#">Unit Guide</a></p> <p>Skills and Concept Progression <a href="#">Learning Graph</a></p>
<p><b>Vocabulary</b></p>		<p>object, label, group, search, image, property, colour, size, shape, value, data set, more, less, most, fewest, least, the same</p>	<p>more than, less than, most, least, common, popular, organise, data, object, tally chart, votes, total, pictogram, enter, data, compare, objects, count, explain, attribute,</p>	<p>text, images, advantages, disadvantages, communicate, font, style, landscape, portrait, orientation, placeholder, template, layout, content, desktop</p>	<p>data, table, layout, input device, sensor, logger, logging, data point, interval, analyse, dataset, import, export, logged, collection, review, conclusion.</p>	<p>database, data, information, record, field, sort, order, group, search, value, criteria, graph, chart, axis, compare, filter, presentation.</p>	<p>data, collecting, table, structure, spreadsheet, cell, cell reference, data item, format, formula, calculation, spreadsheet, input, output, operation, range, duplicate,</p>

			group, same, different, conclusion, block diagram, sharing	publishing, copy, paste, purpose, benefits.			sigma, propose, question, data set, organised, chart, evaluate, results, sum, comparison, software, tools.
<b>Careers</b> <b>Education</b> Including links to Equity, Diversity and Inclusion							
<b>Local Community experts</b> (Visitors and visits)  Supplemented by STEM ambassador visits and online opportunities linked to the termly focus as and when available							