Unit: 5.4 Databases

Learning intention: To create and interrogate databases.

Data

A collection of information, especially facts or numbers, obtained by observation, questions or measurement to be analysed and used to help decision making.

Database

A set of data that can be held in a computer in a format that can be searched and sorted for information.

search

database record

Data Name:
LadyBird
Edit sound

1	wings	yes	
2	habitat	On flowers/plants	
3	number of legs	6	

fields

Ant · Bee · Beetle · Butterfly · Caterpillar
Dragonfly · Fly · Grasshopper · LadyBird · Mosquito
Newt · Pond Skater · Slug

Searching

Use
2 AND
2 OR
to combine field searches to answer complex questions.

Find

wings	is	yes
and		
number of legs	=	6

Display in Venn Diagram ☐

Table view

Table View Of Records

see all records

search

Name	Eyes	Planet	Strength	Special Powers	Earth Habitat	Favourite Food	Body Texture	Hobbies
				bad breath	old house	frogs and old bread	smooth skin	reading
				deadly tentacles	toilet	jelly sweets and peas	scales	
Erb	1	Moon	88	laser eye ray	sewer			
Eyezog	7	Zorg	45	laser eye ray				

table

search

sort, group, arrange

10^{19}_2
$8\,20$
statistics and reports

charts

combine text and data to formulate a report

Reports

Design | View

Name | Insert

Calculate Statistics

habitat | Percentages

Wings Count Groups:
yes = 10
no = 8
Habitat Count Groups:
underground = 5.56%
Under logs/stones = 16.67%
On water = 11.11%
On the soil = 5.56%
On flowers/plants = 44.44%
On animals = 11.11%
In wood = 5.56%

Sort: ● Up ● Down
<field>

Group:
<field>

Arrange:
Tiled · Top · Bottom
Left · Right · Random