

problem

plan

data

analysis

conclusions



Birds!

What is worth noticing about birds on your school playground?
Can you think of a question to investigate?

What do you want to know about or find out more about?

How can you find out what's going on?

What sort of trail do birds already leave?

What birds do you already notice? Can you be sure you notice them all?

What do you wonder about? Might some birds hide when you're around?



problem

plan

data

analysis

conclusions



Birds!

How will you collect information (**data**) to answer your question (**problem**)?

What have you chosen to count or collect as data?



What sorts of details do you need? What do you need to think about, like time of day or tools to collect the data?



What do you think the possible answers to your problem or question could be?

Who else will need to understand or use the data?



How could you record this data?

problem

plan

data

analysis

conclusions



Birds!

How will you collect and organise the data?

What different ways can you think of to represent this information?



How can you gather your data?

How can you sort your data?



Can you sort it in a different way?



Are you sure that all the details are correct?

problem

plan

data

analysis

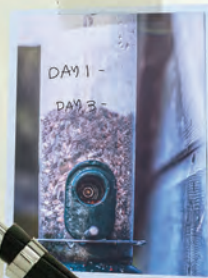
conclusions



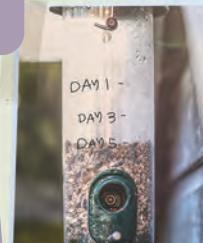
Birds!

What have you found out?

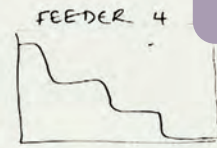
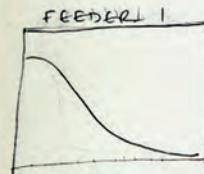
What do you notice?



What do you wonder?



What kinds of graphs or charts or tables or diagrams could you use to share your information?



What can't you tell?

Looking at these graphs, what can you tell about when the seeds were eaten?

Are there shapes or patterns that tell you something interesting?

problem

plan

data

analysis

conclusions



Birds!

Can you answer your question?

Does what you found out make sense? Is it what you expected?

Have you learnt something new about your original problem?

Are there new problems you need to think about? For example, did things happen at times of day that you *didn't* get to find out about?



What was effective about how you tried to find out what's going on? What were the challenges and limitations?

Do you need more information to answer your question or problem?

