

# Worksheet 1

## Spot the patterns in your chart

1. Look at the SHRN chart your group has been given.  
Write down one thing that stands out.

What I noticed:

2. Why this might be happening?

My idea:

3. Share with a partner and add something they noticed that you didn't.

My partner noticed:

# Worksheet 2

## 3-2-1 Data scientist frame

Three sentences

What the data shows (using numbers)...

1.

2.

3.

Two reasons

Why this might be happening...

1.

2.

One thing that the chart data doesn't show us....

# Worksheet 3

## Your proposal to the Headteacher

### Group task

Work together to make sense of your SHRN chart.

Write a short proposal for the Headteacher about what the data suggests could be supported or improved at our school.

### Write 4 to 5 sentences

using pattern ► reason

► what the chart doesn't show

► one fair action using these steps:

Use the prompts below to guide your thinking:

1. Spot a pattern - What stands out in your chart?

2. Give one reason: Why might this be happening?

3. What doesn't the chart tell us?

4. Suggest one small, fair action: What could the school do? Is it fair for everyone?

5. Write your short proposal: 4 to 5 sentences explaining your idea for the Headteacher.

# Worksheet 4

## 12-Word data headline

Use this after your group's micro-presentation (optional plenary extension).

**Create a punchy, news-style headline using EXACTLY 12 words.**

Your headline should capture the most important message from your data.

**Think: What would grab someone's attention?**

My 12-word headline:

# Worksheet 5

## A comparison between our school and the rest of Wales

If you finish your preparation early, you can complete this optional activity using the dashboard data.

1. What does our school's SHRN data show?  
(Use the percentage from your school chart)

2. What does the overall Wales average show?  
(Use the SHRN dashboard data)

3. What is the difference in percentage points?

Write a short comparison paragraph using the prompt below.

### Remember:

Small differences often happen by chance, so avoid over claiming.

Our data shows..... %.

The Wales average is..... %.

The difference is..... percentage points.

This matters because...

# Worksheet 6

## What I learned from the data

One thing I learned from the data is...

One question I still have is...

# Worksheet 7

## Data ethics and privacy

What you need to know when working with SHRN data

- SHRN data is anonymised.
- We talk about patterns, not people.
- Fairness matters when making sense of data.

## Careers spotlight

Where data skills can take you

Data skills aren't just used in school; they play a part in lots of jobs. When you learn how to read graphs, spot patterns and explain your thinking, you are practising skills used every day in the world of work.

## Why STEM matters

STEM (Science, Technology, Engineering and Maths) helps you build:

- Problem solving skills.
- Teamwork.
- Testing and improving ideas.
- Confidence working with numbers.

These skills link directly to future courses, apprenticeships and careers - especially in science, health, digital technology and the environment.