

Stats in the Wild

Activity ④ Graph Craft

Data moves

Grouping
(using, creating or highlighting subsets)

Filtering (showing/hiding subsets)

Ordering (sorting into an order)

Summarising
(computing or calculating to describe a characteristic of a dataset)

Linking (identifying corresponding case(s) in one representation and another representation)

Inspecting
(hovering, clicking on or locating an object to gain information)

Expanding datasets
(adding data, merging or joining datasets)

Creating new variables
(e.g. rates/proportions from existing data)

Choosing or creating
a representation for a purpose

Finding and using
relationships or patterns

Adapted from Hudson, R. A., Mojica, G. F., Lee, H. S., & Casey, S. (2024) *Data Moves as a Focusing Lens for Learning to Teach with CODAP*. Computers in the Schools, 1–26. <https://doi.org/10.1080/07380569.2024.2411705>

Overview

1

Explore local or global issues that matter to the students

2

Collect or find
data

3

Research types of infographic

4

Create your own infographic

5

Submit to the Graph Craft competition!

You will need



3 x example infographics



Good data guidelines



Internet access



Art materials

Activity

1 Explore local or global issues that matter to the students

Spend some time researching, reading and thinking about **local or global issues** that matter to you. For example:

- the decline of a particular wildlife or plant in the local area
- the gender pay gap in a particular business, organisation or industry
- access to public transport locally, including how much it costs, the routes it takes, and who gets a discount

Have in mind **two or three possibilities** at this stage, as which one you choose for your final infographic will depend on what data you can collect or find.

2 Collect or find data

Decide on whether you have time to **collect data** (for example by asking people through a survey, on social media, in the street, or questioning students or teachers at your school) or whether you will need to **find a dataset**. Gather and tidy your data, checking it for quality against the **good data guidelines**.

3 Research types of infographic

Spend some time **looking at different graphs, charts, diagrams and infographics**. You can look at the three example infographics provided.



Visit <https://informationisbeautiful.net> or <https://coolinfographics.com> for lots of really inspiring examples!

Think about whether you would like to create a **digital** infographic, or a **hand-drawn** one.

Consider the types of data you have and what **message you would like to send**, and how the type of infographic, as well as any text like titles, axis labels, descriptions, captions, or keys might **help to tell the story**.

4 Create your own infographic

Set an intention – what is the **purpose** of the infographic you are going to design?

For example:

- to raise awareness of dramatic the decline of a particular wildlife or plant in the local area
- to help people see that the gender pay gap in a particular business, organisation or industry is getting better over time
- to show how expensive it is for a student to access local buses

Now **create your infographic**! You might want to create a draft version first, and get **feedback** from others on improving it.

5 Submit to Graph Craft competition!



Visit <https://forms.gle/63a7ku7toGTU6Wyi9> or scan the QR code to **submit your infographic** (along with your name, email address, and age group).



The closing date is **10th October 2025**. You will be notified if you have won a prize by 20th October 2025.