

THE ADVENTURES OF INFOGRAPHICS

LEVEL

Level 5 – Level 6

ACTIVITY DESCRIPTION

Students begin to identify and explore infographics. Using their own survey results they learn to display data in a visually engaging way, that captures the audience's attention and tells a story. The task promotes Higher Order Thinking Skills (HOTS) and encourages students to share their knowledge and data about a topic of interest.

THEME

Data Representation and Interpretation

Statistics and Probability

MATERIALS REQUIRED

- “The Adventure of Infographics” worksheet
- Coloured poster paper
- Ruler
- Coloured pencils
- Texta's
- Access to a computer and the internet

INSTRUCTIONS

1. Most students have seen an infographic but may not have thought about how they are used to help share data and information. Share a few sample infographics that are relevant to your classroom content and/or students' interests.
2. Using the background information provided, let the students know that infographics are an increasingly popular way of sharing information in newspapers, magazines, and online news sites. These visual representations of knowledge and information are designed to make complex ideas and large amounts of data easy to understand.
3. Discuss with the students.
 - Which infographic was the best? Why?
 - What made them interesting? Content or design? Or both?
 - How did the use of fonts, colour, graphics, and imagery contribute?
 - Did the design contribute to how you felt about the information?
4. After exploring a variety of examples with the students, distribute the “Adventures of Infographics” worksheet to each student.
5. To create their own infographics, students can use the worksheet provided, poster paper or an online platform.
6. Once complete students share their infographics with the class in a short presentation.

✓ SUGGESTIONS FOR ASSESSMENT

This is an independent task where students will complete an infographic using their own data sets. Their completed and shared infographic will demonstrate their level of understanding of the task.

🔍 BACKGROUND INFORMATION

WHAT DOES INFOGRAPHIC MEAN?

The word “infographic” is a combination of two words, “information” and “graphic”.

Simply put, an infographic is a graphic that presents information and/or data — most importantly, in an easy-to-understand way.

What is an infographic example?

An infographic example is a visual representation of information. Infographics examples include a variety of elements, such as images, icons, text, charts, and diagrams to convey messages at a glance.

WHAT ARE INFOGRAPHICS USED FOR?

An infographic has numerous uses in different industries. Infographics can be used to convey complicated data in a simple visual format. They are also visual tools to tell stories. Visual information graphics help people understand information quickly and more accurately.

Infographics can also be used to show changes or comparisons in data, time, and place, as well as statistics, maps, and hierarchies.

WHAT ARE THE FOUR TYPES OF INFOGRAPHICS?

The most common types of infographics are:

- Statistical
- Informational
- Timeline
- Process

Reference: <https://venngage.com/blog/what-is-an-infographic/>

EXAMPLE OF AN INFOGRAPHIC



📌 CURRICULUM LINKS

Mathematics

Level 5

Pose questions and collect categorical or numerical data by observation or survey ([VCMS205](#))

Construct displays, including column graphs, dot plots and tables, appropriate for data type, with and without the use of digital technologies ([VCMS206](#))

Describe and interpret different data sets in context ([VCMS207](#))

Level 6

Construct, interpret and compare a range of data displays, including side-by-side column graphs for two categorical variables ([VCMS235](#))

Interpret secondary data presented in digital media and elsewhere ([VCMS236](#))

Pose and refine questions to collect categorical or numerical data by observation or survey ([VCMS237](#))

WORKSHEET – ADVENTURES OF INFOGRAPHICS

Using your data collected from your survey, create an **infographic** that provides a visual summary of the information you collected. Be sure you consider your research topic and make your infographic relevant to your topic.

Note: There are many free software options available to make infographics including Venngage and Canva. You can use your creativity and statistics to create your own unique infographics.