Madame Tussauds Mathematics Year 7 - 10

Resource aligned to NSW k-12 Syllabus and The Australian Curriculum

The images shown depict wax figures created and owned by Madame Tussauds

MERLIN LEARNING EXPERIENCES

Mathematics teacher guide

Introduction

A trip to Madame Tussauds Sydney offers a wealth of opportunities for cross-curricular teaching in mathematics. The use of everyday settings offers students a more diverse approach to tackling mathematical problems.

These selection of resources have been devised by teachers to aid the teaching of mathematics. They align to the NSW Board of Studies Syllabus: Mathematics and the The Australian Curriculum Mathematics Course Descriptions.

The following resources, are to be used whilst visiting Madame Tussauds. Suggestions for pre and post excursion activities are also below, to be completed in school.

Cathy Freeman

Suggestions for Pre/Post Activities

Pre-Activities:

- Unit of measurements
- Tally charts and table formation
- Different graphical representations of data
- Grouping data and collating results
- Time frames and uses of time lines (number lines)
- Research techniques and the use of statistical analysis
- Introduction to the online resources of data for all figures present in the attraction.

Post-Activities:

- Converting raw data into something presentable
- The use of computer packages when graphing (spread sheet computer programs)
- How statistics are used in everyday life
- Presentation of findings from their trip to Madame Tussauds Sydney.

Additional Teacher Notes:

Statistics is the study of, the collection, the organisation, the analysis and the interpretation of data. Whilst at Madame Tussauds Sydney, you are going to collect data and organise the data you collect in a table. Using a tally system, count how many of the following you can see.

Name	Tally	Number
Men		
Women		
Blue Eyed People		
Brown Eyed People		
Green Eyed People		
Grey Eyed People		
People with 2 different eye colours		
Number of figures standing		
Number of figures sitting		

Nicole Kidman

How many figures in total were there in the attraction that you counted? How did you find this out?

Madame Tussaud

What percentage of the figures were male and what percentage were female?

What percentage of the figures had brown eyes?

What fraction of people was standing and what fraction of people were sitting?

Leonardo DiCaprio

Statistics is the study of, the collection, the organisation, the analysis and the interpretation of data. Whilst at Madame Tussauds Sydney, you are going to collect data and organise the data you collect in a table. Using a tally system, count how many of the following you can see.

The figures you will see in the attraction will have different eye colour and hair colour. In the space below, write down as many eye colour and hair colour combinations you can think of:

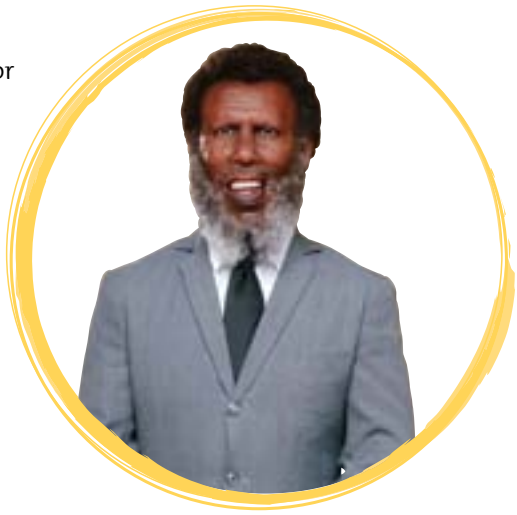
How many different combinations have you counted?

In the table below, in the 1st column, write down 10 of the combination possibilities you have and then whilst in the attraction, mark each figure down for one of your possible combinations.

Combination	Tally	Number

Which graph can you draw to represent the information you have collected?

Delta Goodrum



Eddie Mabo

Queen Elizabeth II