

Teacher Project Planner

Mathematics in the real world

Mathletics

Objective: Introduce the project to your students and assign the research task.

Curriculum Links (if applicable):

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Preparation:

1. Groupings to be used *(circle the applicable answer)*

Independent work

Pair work

Small groups

2. Resources that may be required

Resource List	

3. Strategies and/or methods that may arise

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4. Possible misconceptions that may arise

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8. Post Project Class Reflection

Write ideas and possible discussion questions in this space.

Lesson Plan

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Introduction to Lesson

🕒 10 mins

How will you engage students in the project?

- For example, you may wish to start with a video demonstrating mathematics in the real world.

Challenge students by asking guided questions like the following:

- Why do you think mathematics is important?
 - Can you think of any other places where you see mathematics in action?
 - Can you think of a time where you've used mathematics in your own day-to-day life?
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Introduction to Lesson

🕒 5 mins

Leave your students with some time to think independently about Real World mathematics problems. They should have a way of recording ideas or questions during this time.

Teacher's role:

Move around the class and take note of the kinds of emerging ideas, any misconceptions surfacing or students who appear to be struggling.

Introduce the Project

🕒 10 mins

Explain the project to your students: what they are required to do, how they will be marked, how long they have to complete the project etc.

Student Project Planner

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Name: _____

My maths topic or concept is:

How will I be presenting my project:

Here's what I need to cover (dot points):

Here's how I'll prepare my explanation:

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What might be difficult:

Research:

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Sources:

Student Post-Project Reflection Worksheet

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Name: _____

What did I learn from this project?

What did I enjoy about this project?

What did I find most difficult about this project?

What's one thing that I would like to improve on next time?

How will I use what I've learnt in the future?