

Around the world with maths

About this Illustration of Practice

The class teacher commences this Year 5/6 extension Mathematics class revising previous mathematical methods and strategies for problem solving. The teacher sees herself as a facilitator to support students' independent learning. To encourage contributions from all students, she allocates specific roles to each group member. The groups go on a virtual journey around the world to solve real-world maths problems. The teacher concludes the class with reflection to reinforce what the students have achieved.



Standards

Standard 4

Create and maintain supportive and safe learning environments

Focus area 4.1

Support student participation

Proficient

Descriptor: Establish and implement inclusive and positive interactions to engage and support all students in classroom activities.

Other descriptors

Standard 3

Plan for and implement effective teaching and learning

Focus area 3.3

Use teaching strategies

Proficient

Descriptor: Select and use relevant teaching strategies to develop knowledge, skills, problem solving and critical and creative thinking.

Discussion questions

1. How can you manage small group work to ensure active participation of all students?
2. How do you determine whether a task is appropriately challenging for your students?
3. How do you encourage and support students to take responsibility for their own learning?

Learning context

Seaforth Primary School is located across two campuses in the north of Sydney. The school has a high profile in the arts and sport and has capitalised on the strong arts program to promote science within the school community. The school employs a specialist teacher to deliver science in a dedicated science space across all classes. The active parent community supports the school in a variety of ways including assisting in class to support the learning of all students.

School context

Seaforth Public School

New South Wales

Year level: Year 5 Year 6

Related subject: Mathematics

Stage of schooling: Primary

School type: Government

School location: Metropolitan

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