



# The Sydney Metro rail project

## Inquiry-based learning through Sydney Metro – Stage 5

**Primary KLA:** Mathematics

**Educational levels:** Year 9, Year 10

**Resource type:** Teacher guide (MS word)

**ScOT topics:** Data representation, Inquiry-based learning, Rail transport

**Activities:** Communication activity, Critical thinking activity, Problem solving, Research project

[↓ Download the resource \(Scoutle\)](#)

This inquiry-based unit of work was created, trialled and peer reviewed as part of a professional learning program in inquiry-based learning for school teachers. The professional learning courses were part of a pilot partnership between the NSW Government's Sydney Metro transport agency and Western Sydney University.

The unit has been designed to model how to question and analyse real world data through structured inquiry. Key inquiry question: What impact do you think the Sydney Metro rail project will have on the people you know (yourself, your family and the community)?