

Teacher notes

This rail project is designed for use in TY as an extension activity that builds on Junior Cycle syllabus but introduces students to the Arithmetic concepts of costs/labour/materials. It would be ideally rolled out in conjunction with History, Geography and Business as a cross-curricular activity/rich task as there is huge potential for activities to overlap and complement each other.

It's worth noting that the new Junior Cycle Maths Specification outlines a statistical investigation as one of the two possible options for their CBA (the other being a problem-solving investigation) so this project would be a good learning experience for students.

Within this project, there is scope for student research of current costs of the various materials/labour or for teacher to input set figures for each.

For a further extension activity, a teacher could look to work with confidence intervals etc