



# Polynomial Functions

## ▶ LEARNING GOALS

You will be able to develop your algebraic and graphical reasoning by

- Identifying and describing various characteristics of polynomial functions from their graphs and equations
- Graphing data for a situation and modelling the situation using an appropriate polynomial function
- Solving problems using polynomial function models

? Polynomial functions can be used to approximate the behaviour of many observable relationships. For example, sections of this roller coaster can be modelled by polynomial functions. If you were given the coordinates of the highlighted points, could you use a polynomial function to determine the maximum height of the track? Explain.