

UNIT 17 *Quadratic Functions*

Teaching Notes

Historical Background and Introduction

This unit builds on the earlier work on algebra, bringing together aspects of functions, equations and graphs, and is particularly targeted at students on the *Express Route*, although the first section on curve sketching does provide recap work for those on the *Academic Route*.

<i>Routes</i>	Standard	Academic	Express
17.1 Quadratic Expressions	×	(✓)	✓
17.2 Quadratic Equations: Factorisation	×	×	✓
17.3 Quadratic Equations: Completing the Square	×	×	(✓)

<i>Language</i>	Standard	Academic	Express
Quadratic expressions	×	(✓)	✓
Quadratic equations	×	×	✓
Completing the square	×	×	✓

Challenging Questions

The following questions are more challenging than others in the same section:

	<i>Section</i>	<i>Question No.</i>	<i>Page</i>
<i>Practice Book Y9B</i>	17.1	11	200
" "	17.2	11	204