

**Summary of Changes to the Contents of Syllabuses for
Secondary Schools – Additional Mathematics (Secondary 4-5) 1992**

Unit	Topics	Sub-unit	Content affected
1	Principle of Mathematical Induction	1.3	Point (2) “Examples concerned with simple inequalities” is deleted.
4	Trigonometry	4.3	“Compound Angles” Delete “Triple angle formulae” and “Half angle formulae”.
5	Limits and Differentiation	5.3	“Differentiation” In 5.3.4, “Higher Derivatives” is replaced by “Second Derivatives”.
		5.4	“Applications of Differentiation” In 5.4.4, “Small Increments” is deleted.
6	Inequalities	6.4	“Inequalities of the Form $\frac{ax+b}{cx+d} \geq k$ ” is deleted.
		6.5	“Absolute values” This topic should be taught with “Unit 3 : Quadratic Equations and Quadratic Functions”.
		6.6	“Inequalities involving absolute values” is deleted.
		6.7	“Absolute Inequalities” is deleted.
7	Coordinate Geometry	7.12	“Parabola, Ellipse and Hyperbola in Standard Position” is deleted.

Unit	Topics	Sub-unit	Content affected
9	Integration	9.3	“Simple Techniques of Integration” Integration by substitution is not required. Only the formulae on the integrals of $(ax+b)^n$ (excluding $n=-1$), $\sin(ax+b)$ and $\cos(ax+b)$ are needed.
		9.4	“Definite Integral” The sub-unit is based on the techniques learned in Unit 9.1 to 9.3.
		9.5	“Evaluation of Definite Integrals” The sub-unit is restricted to the techniques learned in Unit 9.1 to 9.3.
		9.6	“Applications of Definite Integrals” The problems involved in finding volumes are restricted to the case with the x-axis or the y-axis as the axis of rotation.
10	Complex Numbers	10	The whole unit is deleted.

Note: For details of the changes, please refer to Appendix 2.