Comparison of the Revised Senior Secondary Mathematics (Compulsory Part) Curriculum Content and the Current Senior Secondary Mathematics (Compulsory Part) Curriculum Content

Learning Unit of Current Curriculum (with updates in November 2015)	Major revision			Learning Unit of Revised Curriculum (Implemented in September 2023)	Notes about revision (LU: Learning Unit, LO: Learning Objective)
	Delete	Add	Reorganise / Adjust		
2. Functions and graphs	✓			2. Functions and graphs	The remark "Finding the domain of a function is required but need not be stressed" of the original LO 2.1 was deleted.
			✓		A remark "The method of completing the square is required" was added to the original LO 2.4.
3. Exponential and logarithmic functions	✓			3. Exponential and logarithmic functions	The curriculum content on the definition of $\sqrt[n]{a}$ and evaluating expressions such as $\sqrt[3]{-8}$ in the remark of the original LO 3.1 was moved to Key Stage 3.
			✓		The description about $f(x) = \log_a x$ was added to the remark "the function $f(x) = a^x$ increases (decreases) as x increases for $a > 1$ $(0 < a < 1)$" of the original LO 3.4.
8. Inequalities and linear programming			✓	8. Inequalities and linear programming	A remark "Solving the problems on triangle inequalities is required" was added to the original LO 8.1.
10. Basic properties of circles			✓	11. Basic properties of circles	A remark "Knowledge on geometry learnt at Key Stage 3 can be involved in the geometric proofs" was added to the original LO 10.6.

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11. Loci	✓			12. Loci	The condition "maintaining a fixed distance from a line segment" was deleted from the remark of the original LO 11.2.
12. Equations of Straight Lines and Circles			✓	10. Equations of straight lines 13. Equations of circles	The LU "Equations of Straight Lines and Circles" was separated into LU 10 "Equations of straight lines" and LU 13 "Equations of circles". The teaching of the LU "Equations of straight lines" was suggested to be arranged in the first term of S4.
		✓			The curriculum content on recongising the relation between slope and inclination was moved from Key Stage 3 to LU 10 "Equations of straight lines".
13. More about Trigonometry		✓		14. More about trigonometry	The curriculum content on the concept of projection, the angle between a line and a plane, and the angle between 2 planes was moved from Key Stage 3 to this LU.
		✓			A new LO "understand theorem of three perpendiculars" was added.
			✓		Problem on the distance between points was added to the remark of the original LO 13.6.

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16. Measures of dispersion	✓			17. Measures of dispersion	The operations "adding an item to the set of data" and "removing an item from the set of data" were deleted from the original LO 16.7.