

KINGDOM OF BAHRAIN

Ministry of Education



مَمْلَكَة الْبَحْرَيْن

وَزَارَة التَّربِيَّة وَالتَّعْلِيم

إدارة سياسات وتطوير المناهج

خطة المحتوى الدراسي

الموضوعات المقررة للصف الثامن – الجزء الأول

في مادة الرياضيات من برنامج السنوات المتوسطة MYP

للفصل الدراسي الأول من العام الدراسي ٢٠٢٦ – ٢٠٢٧ م

وزارة التربية والتعليم – الفصل الدراسي الأول ٢٠٢٦ / ٢٠٢٧ م



Subject : **Mathematics**

Book : **MYP Mathematics** A concept-based approach Year3

Grade : **8**

Unit	Topic	Pages (from – to)	Week	Notes
Unit (1) Number: Discoveries and developments	Introducing number: Rational and irrational numbers	6 - 11	1	
	Exponents	11 - 17	1	
	Laws of exponents: Multiplying Powers	17 - 19	2	
	Laws of exponents: Dividing exponents	19 - 25	2	
	Formative Assessment 1	22 - 23	2	
	Scientific notation	26 - 30	3	
	Addition/ Subtraction with Scientific notation	31 - 32	3	Practice 6 Page. 34-35
	Multiplication/ Division with Scientific notation	32 - 33	4	Practice 6 Page. 34-35
	Formative Assessment 2	36 - 37	4	
	Summative Assessment	45 - 47	4	
	Use the <u>Unit Summary p.38</u> and <u>Unit Review p.40</u> to support teaching, learning, and revision.			

Unit	Topic	Pages (from – to)	Week	Notes
Uni (2) Triangles: Principles, processes and solutions.	Introducing triangles: Theorems and proof	52 - 56	5	
	Pythagoras' theorem	56 - 59	5	
	Applying the Pythagorean theorem	60 - 67	6	
	Formative Assessment 1	68	6	
	Relationships between triangles: Similar and congruent triangles	69 - 71	7	
	Proving triangle similarity	71 - 73	7	Practice 3 Page. 75-76
	Applications of similar triangles	73 - 74	7	Practice 3 Page. 75-76
	Trigonometric ratios: The sine ratio	77 - 81	8	
	Trigonometric ratios: Other trigonometric ratios	82 - 86	8	
	Formative Assessment 2	87 - 88	8	
	Summative Assessment	97 - 99	8	
	Use the <u>Unit Summary p.89</u> and <u>Unit Review p.90</u> to support teaching, learning, and revision.			

Unit	Topic	Pages (from – to)	Week	Notes
Unit (3) Linear relationships: impact of human decision-making	Introducing linear relationships: Representing linear relationships	104 - 109	9	
	Characteristics of linear relationships: Rate of change	110 - 112	9	
	Parallel and perpendicular lines	112 - 113	10	Practice 2 Page. 116-118
	Intercepts	114 – 115	10	Practice 2 Page. 116-118
	Algebraic representations of linear relationships: Recognizing linear relationships	118 - 119	11	Practice 3 Page. 122-124
	Gradient – intercept form	120 - 122	11	Practice 3 Page. 122-124
	Other algebraic representations of linear equations	125 - 129	12	
	Determining the equation of a line	130 - 135	12	
	Formative Assessment	135 – 136	12	
	Vertical and horizontal lines	136 - 138	12	
	Summative Assessment	148 - 151	12	
Use the <u>Unit Summary p.138</u> and <u>Unit Review p.141</u> to support teaching, learning, and revision.				

Unit	Topic	Pages (from – to)	Week	Notes
Unit (6) Geometric transformations: Expressing beliefs and values	Introducing geometric transformations: Tessellations	258 -260	13	
	Congruence transformations: Translations	261 -267	13	
	Congruence transformations: Rotations	267 -274	14	
	Congruence transformations: Reflections	274 -282	14	
	Formative Assessment	282	14	
	Analyzing tessellations	283 - 289	15	
	Similarity transformations: Dilations	290 -297	15	
	Summative Assessment	311 - 313	15	
	Use the <u>Unit Summary p.298</u> and <u>Unit Review p.300</u> to support teaching, learning, and revision.			