	preDP2 2022-2023 (future HL)	liczba godzin
	QUADRATICS	
1	factorization	1
2	completing the square	2
3	solving equations	2
4	quadratic function general form & vertex form	2
5	quadratic function formulas on vertex, connections with the graph	2
6	quadratic function product form, conditions of existence	2
7	finding formula of quadratic function from given properties	2
8	graphing quadratic function and reading formula from the graph	2
9	solving equations and inequalities	2
10	application of quadratic function	1
11	modelling of quadratic function	2
12	optimization	2
13	parameters	1
14	Viete'a formulae and parameters	4
15	revision and test	4
	TRIGONOMETRY	
16	definition of ratios in right triangles	2
17	properties of triangles 45,45,90 and 60,30,90	1
18	applications of trig ratios angle of depression and angle of elevation	2
19	trig function of any angle	1
20	unit circle	3
21	radian measure	1
22	trig equations linear and quadratic	4
23	sector ,segment, arc,area of the triangle	2
24	connection the gradient of linear function with tangent	1
25	sine rule, ambiguous case	2
26	cosine rule	2
27	bearings	2
28	graphs of circular functions, period, amplitude, transformations	2
29	finding formula od trig function from the graph	2
30	revision and test	4
	FUNCTIONS	
31	domain, range, zeroes, y- intercept, 1-1 function	2
32	reciprocal, rational function (asymptotes, standard form, graphs)	2
33	absolute values (graphs, equations and inequalities)	3
34	composite functions	2
35	inverse functions (also to rational function and to part of quadratic fu	2
36	revision and test	4
	revision to end of semester exam	4
	exam P1 2h P2 2h	4
	overtalking the exam	2
	EXPONENTIAL AND LOGARITHMIC FUNCTIONS	
37	rules of exponents	2
38	rules of logarithms	2
39	equations	4
40	exponential function graph, its transformations and properties	2
41	logarithmic function graph, transformations and properties	2
42	applications and simple inequalities	6

43	revision and test	4
	SEQUENCIES, SERIES AND BINOMIAL THEOREM	
44	recursive formula, n-th term rule	2
45	arithmetic sequence , nth term formula	1
46	sum of n-th terms of arithmetic sequence	2
47	geometric sequence n-th term formula	1
48	sum of n-th terms of geometric sequence	2
49	applications	2
50	finite sum of infinite sequence, geometric series	2
51	Pascal triangle, Binomial theorem	2
52	binomial coefficients	2
53	Binomial theorem exercises	2
54	revision and test	4
	POLYNOMIALS	
55	operations on polynomials	3
56	factor theorem	1
57	remainder theorem	2
58	equations and rational roots	3
59	inequalities	2
60	Viete'a formulae	1
61	equation of a circle	1
62	intersections lines and circles	2
63	tangent line to a circle	2
64	intersections of 2 circles	1
65	triangles inscribed and circumscribed	2
66	revision and test	4
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	exam P1 2h P2 2h	4
	overtalking the exam	2
	PROBABILITY	
67	experimental probability	1
68	properties of teoretical probability	2
69	Venn diagram, grids as a method of finding probability	1
70	conditional probability	2
71	total probability	2
72	independent events	1
73	Bayes theorem	4
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