

## Higher Maths 2022-2023

*This is a rough outline of the lessons pupils will be taught throughout the year.*

*This may change slightly over the year depending on the teacher and the class.*

***We will email you to inform you of the exact date of upcoming assessments.***

Wk beg	Period 1	Period 2	Period 3	Period 4	Period 5
06-Jun-22	St L - collinearity 1B p3, Ex	St L - revise gradient/perpendicular p1/8, Ex 1A/D	St L - gen & $y=b+m(x-a)$ p10/11, Ex 1F/1G	St L - altitudes p15, Ex 1K	St L - medians p16, Ex 1M
13-Jun-22	St L - perp bisectors p13, Ex 1I	St L - lines in triangles p18, Ex 1N	St L - mixed questions p19, Ex 1O	St L - mixed questions p19, Ex 1O	F&G - sets/mappings p23/24, Ex 2A/2B
20-Jun-22	F&G - composite Ex 2C p26,	F&G - composite/inverse p26/28, Ex 2C/2D	F&G - exp/log p29/31, Ex 2F/2H	F&G - mixed questions p31, Ex 2I	F&G $f(x)+a$ , $f(x+a)$ , $-f(x)$ p36/38/40, Ex3C/3E/3G
27-Jun-22	F&G - $f(-x)$ , $kf(x)$ , $f(kx)$ p41/43/45, Ex3I/3K/3M	F&G - $f(-x)$ , $kf(x)$ , $f(kx)$ p41/43/45, Ex3I/3K/3M	F&G - Exp/Log p45/47, Ex 3N/3O	F&G - per/amp/sketch p53/54, Ex 4A/4B	Last day
04-Jul-22	Holiday	Holiday	Holiday	Holiday	Holiday
11-Jul-22	Holiday	Holiday	Holiday	Holiday	Holiday
18-Jul-22	Holiday	Holiday	F&G - solving equations p63/65, Ex 4H/4I	F&G - mixed questions p65, Ex 4J	F&G - mixed questions p65, Ex 4J
15-Aug-22	Spare	Spare	Spare	Quad - sketching p144, Ex 8C	Quad - complete square p325/145, EssSk 5 / Ex8D
22-Aug-22	Quad - solving p147/148/150, Ex 8E/F/G	Quad - revise discrim/ use discriminant p151/2, Ex 8H/I	Quad - tangency p 155 EX8J	Quad - mixed p156 EX 8k	Quad - Exam Q
29-Aug-22	Poly - synthetic div p129, Ex 7C	Poly - remainder/fact p130/131, Ex 7D/7E	Poly - coefficients p132, Ex 7F	Poly - solving Ex 7G p134,	Poly - graph/sketch p135/137, Ex 7H/7I
05-Sep-22	Poly - Exam Q	Spare	Spare	<b>Revision for Assessment 1</b>	<b>Revision for Assessment 1</b>
12-Sep-22	Sit Assessment 1	Circle - distance form p205, Ex 12A	Circle - equations p207/210, Ex 12D/F	Circle - expand equ p213, Ex 12H	Circle- intersec with line p217, Ex 12J
19-Sep-22	Holiday	Circle - tangents p218, Ex 12K	Circle - tangents equ p220, Ex 12L	Circle - mixed qu p220, Ex 12M	Circle - mixed qu p220, Ex 12M
26-Sep-22	Circle - Exam Q	Spare	Spare	Diff - derivatives p91, Ex 6D	Diff - rate of change p92, Ex 6E
03-Oct-22	Diff - $ax^n$ /product/quot Ex 6F/6G p94/95,	Diff - app/leibniz p96/100, Ex 6H/6I	Diff - tangents p101, Ex 6J	Diff - incr/decr Ex 6L p104,	Diff - stationary points p106, Ex 6M
10-Oct-22	Diff - curve sketchig p107, Ex 6N	Diff - closed intervals p109, Ex 6O	Diff - mixed questions p115, Ex 6S Q1-4, 12, 13, 15, 16	Diff - mixed questions p115, Ex 6S Q1-4, 12, 13, 15, 16	Spare
17-Oct-22	Holiday	Holiday	Holiday	Holiday	Holiday
24-Oct-22	Holiday	Fur Cal - $(x+a)^n$ p267, Ex 14E	Fur Cal - $(ax+b)^n$ Ex 14G p269,	Fur Cal - chain rule p271, Ex 14H	Fur Cal - $(x+a)^n$ p267, Ex 14E
31-Oct-22	Fur Cal - $(ax+b)^n$ Ex 14G p269,	Fur Cal - chain rule p271, Ex 14H	Fur Cal - app chain rule p272, Ex 14I	Diff - optimisation Ex 6Q p112,	Diff - further app p114, Ex 6R
07-Nov-22	Diff - mixed questions p115, Ex 6S Q5-11, 17-23	Diff - Exam Q	Revision	Revision	Revision
14-Nov-22	Revision	Revision	Revision	Revision	Revision

21-Nov-22	Prelim Week	Prelim Week	Prelim Week	Prelim Week	Prelim Week
28-Nov-22	Prelim Week	Prelim Week	Prelim Week	Prelim Week	Prelim Week
05-Dec-22	Int - anti-derivative p162, Ex 9E	Int - integrals p164, Ex 9G/H	Int - integrals p164/165, Ex 9H/I	Int - rule p169, Ex 9L	Int - mixed questions p177 Q1-3, Ex 9R
12-Dec-22	Fur Cal- int cos/sin $(ax+b)^n$ p265, Ex 14C	Fur Cal- int cos/sin $(ax+b)^n$ p274, Ex 14J	Fur Cal - int cos $(ax+b)$ p275, Ex 14K	Fur Cal - mixed qu p276, Ex 14L	Int - area above / below p172, Ex 9N
19-Dec-22	Last day	Holiday	Holiday	Holiday	Holiday
26-Dec-22	Holiday	Holiday	Holiday	Holiday	Holiday
02-Jan-23	Holiday	Holiday	Int - area between curv p174, Ex 9P	Int - differential equations p176, Ex 9Q	Int - mixed questions p177, Ex 9R Q4-15
09-Jan-23	Int - mixed questions p177, Ex 9R Q4-15	Int/Diff - exam Q	Trig - equations revision p62, Ex 4G	Trig - equations revision p63, Ex 4H	Trig - equations revision p65, Ex 4I/J
16-Jan-23	Trig - sin addition form p189/190, Ex 11B/C	Trig - cos addition form p191, Ex 11D	Trig - identities/app p193/194, Ex 11E/F	Trig - double angle p196, Ex 11G	Trig - double angle p196, Ex 11G
23-Jan-23	Trig - double angle p196, Ex 11G	Trig - equations p198, Ex 11H	Trig - squared p201, Ex 11I	Trig - mixed questions p201, Ex 11J	Trig - Exam Q
30-Jan-23	Spare	Revision for assessment 2	Sit Assessment 2	Exp/Log - exponential p283/5, Ex 15C/D	Exp/Log - log p286, Ex 15E
06-Feb-23	Exp/Log - laws of logs p287, Ex 15F	Exp/Log - natural log p289, Ex 15H	Exp/Log - log equ p288, Ex 15G	Exp/Log - exp data p291, Ex 15I	Exp/Log - exp data p291, Ex 15I
13-Feb-23	Holiday	Holiday	Holiday	Holiday	Holiday
20-Feb-23	Exp/Log - exp data p293, Ex 15J	Exp/Log - graphs/mixed p296/297, Ex 15K/L	Wxp/Log - Exam Q	Wave - kcos(x-a) p304, Ex 16C	Wave - diff 2 waves p304, Ex 16D
27-Feb-23	Wave - other forms p305, Ex 16E	Wave - max/min p307, Ex 16G	Wave - solve equations p309, Ex 16H	Wave - applications p311, Ex 16I	Wave - Exam Q
06-Mar-23	Spare	Spare	Revision for Assessment 3	Sit Assessment 3??	Revision
13-Mar-23	Revision	Revision	Revision	Revision	Revision
20-Mar-23	Revision	Revision	Revision	Revision	Revision
27-Mar-23	Revision	Revision	Revision	Revision	Revision
03-Apr-23	Holiday	Holiday	Holiday	Holiday	Holiday
10-Apr-23	Holiday	Holiday	Holiday	Holiday	Holiday
17-Apr-23	Revision	Revision	Revision	Revision	Revision
24-Apr-23	Exam leave	Exam leave	Exam leave	Exam leave	Exam leave
01-May-23	Holiday	Holiday	Exam leave	Exam leave	Exam leave

08-May-23	Exam leave	Exam leave	Exam leave	Exam leave	Exam leave
15-May-23	Exam leave	Exam leave	Exam leave	Exam leave	Exam leave
22-May-23	Holiday	Exam leave	Exam leave	Exam leave	Exam leave
29-May-23					