

STEM Foundation Year Physics 26/27

Modules & Assessment

Trimesters 1 & 2

Foundation Physics A [*mechanics.matter.waves*]

Material will be selected from Sections of the main course book: A-Level Physics for AQA: Year 1 & 2 Student Book with Online Edition (2018).

- Section 4 – Mechanics, • Section 5 – Materials, • Section 8 – Thermal Physics
- Section 3 – Waves

Coursework: Core Physics A skills 1, 50%

Coursework: Core Physics A skills 2, 50%

Foundation Physics B [*electricity.fields.atoms*]

Material will be selected from Sections of the main course book: A-Level Physics for AQA: Year 1 & 2 Student Book with Online Edition (2018).

- Section 1 – Particles and Radiation, • Section 6 – Electricity, • Section 10 – Capacitors, • Section 2 – Electromagnetic Radiation and Quantum Phenomena,
- Section 9 – Gravitational and Electric Fields, • Section 12 – Nuclear Physics

Coursework: Core Physics B skills 1, 50%

Coursework: Core Physics B skills 2, 50%

Foundation Physics Laboratory [*design.analysis.experiments*]

- Experimental Design
- Methods of Scientific Measurement
- Data Analysis and Errors
- Experiments covering: Mechanics, Thermal Physics, Electricity, and Waves

Coursework: Core Laboratory skills, 50%

Coursework: Laboratory Journal, 50%

Foundation IT and Study Skills [*careers.skills.exercises*]

- Seminar Series - Careers in Physics and Engineering
- IT Skills
- Presentation Skills
- Problem-based Learning Exercises

Coursework: Core Physics skills, 50%

Coursework: IT skills, 50%

Trimester 1

Foundation Mathematics 1 [*algebra.geometry.matrices*]

- Outline contents: algebra, formulae and manipulation
- Functions, graphs and properties
- Trigonometry
- Co-ordinate systems, geometry and matrices

Coursework: Core Maths skills 1, 50%

Coursework: Core Maths skills 2, 50%

Trimester 2

Foundation Mathematics 2 [*vectors.calculus.series*]

- Outline contents: Vectors and complex numbers
- Introduction to calculus
- Differentiation of functions and rules of differentiation
- Integration of functions and rules of integration
- Sequences and series

Coursework: Core Maths skills 3, 50%

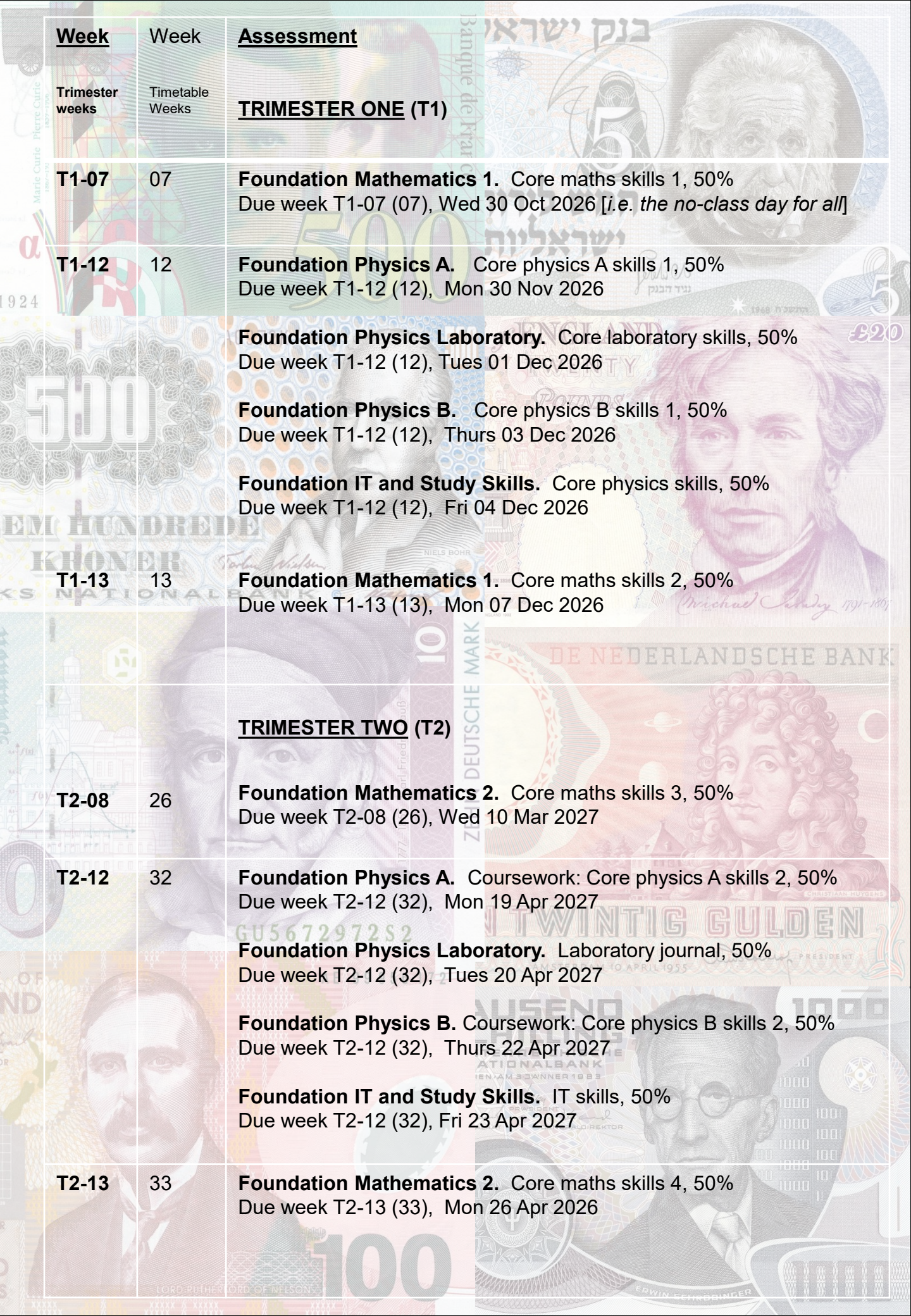
Coursework: Core Maths skills 4, 50%

Note on week numbers

Week numbering starts with Induction Week as week 0, and then Trimester 1 (T1) *teaching weeks* start with week 01. The *timetabling week* numbers then continue throughout the year, up to week 51 (including vacation weeks) – shown in brackets on next page.

It is useful to list timetabling and teaching weeks – the latter such as in Trimester 2: T2-01 being the first teaching week of Trimester 2.

See the next pages for detailed breakdowns of dates and week numbering.



<u>Week</u>	Week	<u>Assessment</u>
Trimester weeks	Timetable Weeks	<u>TRIMESTER ONE (T1)</u>
T1-07	07	Foundation Mathematics 1. Core maths skills 1, 50% Due week T1-07 (07), Wed 30 Oct 2026 [<i>i.e. the no-class day for all</i>]
T1-12	12	Foundation Physics A. Core physics A skills 1, 50% Due week T1-12 (12), Mon 30 Nov 2026 Foundation Physics Laboratory. Core laboratory skills, 50% Due week T1-12 (12), Tues 01 Dec 2026 Foundation Physics B. Core physics B skills 1, 50% Due week T1-12 (12), Thurs 03 Dec 2026 Foundation IT and Study Skills. Core physics skills, 50% Due week T1-12 (12), Fri 04 Dec 2026
T1-13	13	Foundation Mathematics 1. Core maths skills 2, 50% Due week T1-13 (13), Mon 07 Dec 2026
		<u>TRIMESTER TWO (T2)</u>
T2-08	26	Foundation Mathematics 2. Core maths skills 3, 50% Due week T2-08 (26), Wed 10 Mar 2027
T2-12	32	Foundation Physics A. Coursework: Core physics A skills 2, 50% Due week T2-12 (32), Mon 19 Apr 2027 Foundation Physics Laboratory. Laboratory journal, 50% Due week T2-12 (32), Tues 20 Apr 2027 Foundation Physics B. Coursework: Core physics B skills 2, 50% Due week T2-12 (32), Thurs 22 Apr 2027 Foundation IT and Study Skills. IT skills, 50% Due week T2-12 (32), Fri 23 Apr 2027
T2-13	33	Foundation Mathematics 2. Core maths skills 4, 50% Due week T2-13 (33), Mon 26 Apr 2026

Academic Year by Week 2026/27 with Foundation Year Assessments

Week begins (Monday)	Trimesters	timetable wk no	pool rooms bookable for teaching and revision
7 September 2026	<i>Welcome/Induction</i>	0	
14 September 2026	Trimester 1 1	1	
21 September 2026	Trimester 1 2	2	✓
28 September 2026	Trimester 1 3	3	✓
5 October 2026	Trimester 1 4	4	✓
12 October 2026	Trimester 1 5	5	✓
19 October 2026	Trimester 1 6	6	✓
26 October 2026	Trimester 1 7	7	✓ F MATHS 1
2 November 2026	Trimester 1 8	8	✓
9 November 2026	Trimester 1 9	9	✓
16 November 2026	Trimester 1 10	10	✓
23 November 2026	Trimester 1 11	11	✓
30 November 2026	Trimester 1 12	12	✓ F PA, F LAB, F PB, F IT & STUDY SKILLS
7 December 2026	Trimester 1 13	13	✓ F MATHS 2
14 December 2026	<i>Inter-Trimester Break</i>	14	✓
21 December 2026	<i>Christmas Vacation</i>	15	
28 December 2026	<i>Christmas Vacation</i>	16	
4 January 2027	<i>Christmas Vacation</i>	17	
11 January 2027	<i>Welcome/Induction</i>	18	
18 January 2027	Trimester 2 1	19	✓
25 January 2027	Trimester 2 2	20	✓
1 February 2027	Trimester 2 3	21	✓
8 February 2027	Trimester 2 4	22	✓
15 February 2027	Trimester 2 5	23	✓
22 February 2027	Trimester 2 6	24	✓
1 March 2027	Trimester 2 7	25	✓
8 March 2027	Trimester 2 8	26	✓ F MATHS 3
15 March 2027	Trimester 2 9	27	✓
22 March 2027	Trimester 2 10	28	✓ Bank Holiday (Good Friday)
29 March 2027	Trimester 2 11	29	✓ Bank Holiday Monday
5 April 2027	<i>Easter Vacation</i>	30	
12 April 2027	<i>Easter Vacation</i>	31	
19 April 2027	Trimester 2 12	32	✓ F PA, F LAB, F PB, F IT & STUDY SKILLS
26 April 2027	Trimester 2 13	33	✓ F MATHS 4

ASSESSMENTS

Assessment List including In-Year Retrievals (IYR) and Reassessments ('Resits')

Assessment for T1	CRN	Deadline*
Foundation Phys A,	50142	Wk12 Mon 30 Nov 2026 at 4pm
Foundation Laboratory	50158	Wk12 Tues 01 Dec 2026 at 4pm
Foundation Phys B	50143	Wk12 Thurs 03 Dec 2026 at 4pm
Foundation IT and study skills,	50159	Wk12 Fri 04 Dec 2026 at 4pm
FMaths1	52551	Wk07 Wed 30 Oct 2026 at 4pm
		Wk13 Mon 07 Dec 2026 at 4pm

*Assessments will be released on the same day as the deadline at 9 am for all above and below

(unless **, then release given in Assessment Guidance)

IYR - In Year Retrieval RESITS

Foundation Phys A,	50142	Wk02 Mon 25 Jan 2027
Foundation Phys B	50143	Wk02 Tues 26 Jan 2027
Foundation Laboratory	50158	Wk00 Thurs 14 Jan 2027 (practicals) *** Wk02 Wed 27 Jan 2027 for work submission at 4pm
Foundation IT and study skills,	50159	Wk02 Thurs 28 Jan 2027 **
FMaths1	52551	Wk02 Fri 29 Jan 2027

*** Days for the practicals for IYR opportunity TBC

Assessments for T2

Release day

Foundation Phys A,	50142	Wk12 Mon 19 April 2027
Foundation Laboratory	50158	Wk12 Tues 20 April 2027
Foundation Phys B	50143	Wk12 Thurs 22 April 2027
Foundation IT and study skills,	50159	Wk12 Fri 23 April 2027
FMaths2	52552	Wk08 Wed 10 Mar 2027
		Wk13 Mon 26 April 2027

Reassessments

Release day

Foundation Laboratory	50158	6/7/8th July 2027 (practicals) Wed 14 July 2027, work submission
Foundation Phys A,	50142	Mon 12 July 2027
Foundation Phys B	50143	Tues 13 July 2027
FMaths1	52551	Thurs 15 July 2027
Foundation IT and study skills,	50159	Fri 16 July 2027 **
FMaths2	52552	Mon 19 July 2027
		Tues 20 July 2027