FREE CHECKLIST · JUNIOR CYCLE MATHS

My Maths topic checklist

Léim ↗

Tick each box when it's done: **Game** (played the free game on leim.ie) · **Rules** (read the rules) · **Sheet** (did the revision sheet). Then colour a dot: **red** not yet · **amber** getting there · **green** got it.

Learning outcome codes from the 2018 Junior Cycle Mathematics specification (U = Unifying, N = Number, GT = Geometry & trigonometry, AF = Algebra & functions, SP = Statistics & probability). Topics in the order most schools teach them; "coming soon" = not on leim.ie yet.

1st year

#	TOPIC AND LEARNING OUTCOMES	TERM	GAME	RULES	SHEET	CONFIDENT?
1	**Integers & order of operations** LO N.1a, N.1b, N.1c, U.1, U.2	Autumn	☐	☐	☐	○ ○ ○
2	**Factors, multiples & primes (HCF, LCM)** LO N.1d	Autumn	☐	☐	☐	○ ○ ○
3	**Fractions** LO N.1a, N.1b, N.2a	Autumn	☐	☐	☐	○ ○ ○
4	**Decimals, rounding & estimation** LO N.1e, N.2a	Autumn	☐	☐	☐	○ ○ ○
5	**Sets & Venn diagrams** LO N.5, U.4	Autumn	☐	☐	☐	○ ○ ○
6	**Percentages** LO N.2a, N.2b	Spring	☐	☐	☐	○ ○ ○
7	**Ratio & proportion** LO N.2b, N.3a	Spring	☐	☐	☐	○ ○ ○
8	**Algebra 1: variables & expressions** LO AF.2a, AF.2b, AF.3a, U.4	Spring	☐	☐	☐	○ ○ ○
9	**Patterns 1: linear patterns & sequences** LO N.4, AF.1a, AF.1b, U.11	Spring	☐	☐	☐	○ ○ ○
10	**Units of measure, time & timetables** LO GT.1	Spring	☐	☐	☐	○ ○ ○
11	**Probability 1: chance & sample spaces** LO SP.1a, SP.2a, SP.2b	Summer	☐	☐	☐	○ ○ ○
12	**Statistics 1: questions, data & tables** LO SP.3a, SP.3b, SP.3c	Summer	☐	☐	☐	○ ○ ○
13	**Geometry 1: lines, angles & triangles** LO GT.3b, GT.3c	Summer	☐	☐	☐	○ ○ ○
14	**Constructions** LO GT.3a	Summer	☐	☐	☐	○ ○ ○

2nd year

#	TOPIC AND LEARNING OUTCOMES	TERM	GAME	RULES	SHEET	CONFIDENT?
15	**Algebra 2: expanding & simplifying** LO AF.3a, AF.3b	Autumn	☐	☐	☐	○ ○ ○
16	**Linear equations** LO AF.2c, AF.4, U.3	Autumn	☐	☐	☐	○ ○ ○
17	**Indices & standard form** LO N.1c, N.1f	Autumn	☐	☐	☐	○ ○ ○
18	**Money 1: bills, VAT, profit & loss** LO N.2c	Autumn	☐	☐	☐	○ ○ ○
19	**Money 2: income tax, net pay & compound interest** LO N.2c	Spring	☐	☐	☐	○ ○ ○
20	**Speed, distance, time & currency** LO N.3b, GT.1	Spring	☐	☐	☐	○ ○ ○
21	**Area, perimeter & scale drawings** LO GT.2a, GT.2c	Spring	☐	☐	☐	○ ○ ○
22	**Statistics 2: graphs & averages** LO SP.3d–SP.3h	Spring	☐	☐	☐	○ ○ ○
23	**Transformations & symmetry** LO GT.6a, GT.6b	Summer	☐	☐	☐	○ ○ ○

#	TOPIC AND LEARNING OUTCOMES	TERM	GAME	RULES	SHEET	CONFIDENT?
24	**Geometry 2: theorems, congruent & similar triangles** LO GT.3b–GT.3e, U.11, U.12	Summer	☐	☐	☐	○ ○ ○
25	**Pythagoras & right-angled triangles** LO GT.3b, GT.3e, U.6	Summer	☐	☐	☐	○ ○ ○
26	**Probability 2: relative frequency & counting** LO SP.1b, SP.2c	Summer	☐	☐	☐	○ ○ ○

3rd year

#	TOPIC AND LEARNING OUTCOMES	TERM	GAME	RULES	SHEET	CONFIDENT?
27	**Factorising** LO AF.3d	Autumn	☐	☐	☐	○ ○ ○
28	**Coordinate geometry of the line** LO GT.5a, GT.5b, GT.5c	Autumn	☐	☐	☐	○ ○ ○
29	**Simultaneous equations** LO AF.4	Autumn	☐	☐	☐	○ ○ ○
30	**Quadratic equations** LO AF.4, AF.5	Autumn	☐	☐	☐	○ ○ ○
31	**Functions & graphs** LO AF.7a–AF.7d, AF.1c	Autumn	☐	☐	☐	○ ○ ○
32	**Trigonometry** LO GT.4	Spring	☐	☐	☐	○ ○ ○
33	**Volume & surface area (3D solids & nets)** LO GT.2b, GT.2d, GT.2e	Spring	☐	☐	☐	○ ○ ○
34	**Inequalities** LO AF.4, AF.7c	Spring	☐	☐	☐	○ ○ ○
35	**Algebraic fractions, long division & changing the subject** LO AF.3a, AF.3c, AF.6	Spring	☐	☐	☐	○ ○ ○
36	**Patterns 2: quadratic & exponential** LO AF.1a, AF.1b, AF.1c, N.4	Spring	☐	☐	☐	○ ○ ○
37	**Surds** LO N.1b	Spring	☐	☐	☐	○ ○ ○
38	**Problem solving & exam mix** LO U.5–U.10, U.13	Summer	☐	☐	☐	○ ○ ○