

Introducing Pure Mathematics by Robert Smedley and Garry Wiseman

AQA Specification B Syllabus Grid

AS Module Pure Mathematics (P1)

Topic	Pages	Notes
10.1 Algebra and Functions	1–44, 79–116, 404–409	
10.2 Coordinate Geometry	131–147	
10.3 Sequences and Series	230–247	
10.4 Trigonometry	45–48, 334–335, 341–354	
10.5 Differentiation	156–188	
10.6 Integration	189–200	
10.7 Numerical Methods	472–473	

AS Module Pure Mathematics (P2)

FPM = Further Pure Mathematics

Topic	Pages	Notes
11.1 Algebra and Functions	31–32, 36–37, 93–98, 117–130	
11.2 Sequences and Series	248–258	
11.3 Trigonometry	45–48, 68–72	Also <i>FPM</i> p. 177
11.4 Exponentials and Logarithms	410–414, 416–421	
11.5 Differentiation	156–188, 327–331, 416–422	
11.6 Integration	416–422	

AS Module Pure Mathematics (P3)

FPM = Further Pure Mathematics

Topic	Pages	Notes
12.1 Algebra		<i>FPM</i> pp. 140–148
12.2 Series		<i>FPM</i> pp. 159–160, 168–176
12.3 Algebraic Structure		<i>FPM</i> pp. 369–376
12.4 Curve Sketching	79–88, 93–96, 305–310	Also <i>FPM</i> pp. 218–230
12.5 Polar Coordinates		<i>FPM</i> pp. 43–48
12.6 Complex Numbers		<i>FPM</i> pp. 1–21
12.7 Exponentials and Logarithms		
12.8 Matrices and Transformations		<i>FPM</i> pp. 299–314
12.9 Modelling		

A2 Module Pure Mathematics (P4)*FPM = Further Pure Mathematics*

Topic	Pages	Notes
13.1 Algebra and Functions	122–124, 276–288	
13.2 Coordinate Geometry	148–153, 220–225	
13.3 Sequences and Series	230–236, 262–269	
13.4 Trigonometry	335–366	<i>FPM</i> pp. 30–34
13.5 Exponentials and Logarithms	410–413, 463–466	
13.6 Differentiation	292–312, 327–331, 383–403	
13.7 Integration	209–219, 383–395, 421–426, 442–443, 449–456	
13.8 Numerical Methods	472–483	<i>FPM</i> pp. 268–280

A2 Module Pure Mathematics (P5)*FPM = Further Pure Mathematics*

Topic	Pages	Notes
14.1 Coordinate Geometry	304–310, 319–320, 426–430	Also <i>FPM</i> pp. 130–139
14.2 Sequences and Series	262–275	
14.3 Trigonometry	374–379	
14.4 Differentiation	165–185, 313–331	
14.5 Integration	324–327, 433–471	
14.6 Numerical Methods	484–489	Also <i>FPM</i> pp. 280–285
14.7 Vectors	493–513	Also <i>FPM</i> pp. 94–102, 106–112

A2 Module Pure Mathematics (P6)*FPM = Further Pure Mathematics*

Topic	Pages	Notes
15.1 Trigonometry	358–370	
15.2 Hyperbolic Functions		<i>FPM</i> pp. 189–217
15.3 Complex Numbers		<i>FPM</i> pp. 1–21, 330–354
15.4 Further Calculus		<i>FPM</i> pp. 35–42, 201–210, 241–259, 362–365
15.5 Differential Equations	457–462	Also <i>FPM</i> pp. 57–75
15.6 Matrices and Transformations		<i>FPM</i> pp. 309–329

A2 Module Pure Mathematics (P7)*FPM = Further Pure Mathematics*

Topic	Pages	Notes
16.1 Algebra and Determinants		<i>FPM</i> pp. 80–93, 149–153
16.2 Groups		<i>FPM</i> pp. 369–404
16.3 Further Vectors		<i>FPM</i> pp. 94–121
16.4 Linear Equations		<i>FPM</i> pp. 87–93
16.5 Coordinate Geometry		<i>FPM</i> pp. 218–234
16.6 Complex Numbers		<i>FPM</i> pp. 12–17
16.7 Polar Coordinates		<i>FPM</i> pp. 230–234, 253
16.8 Calculus and Series	262–275	Also <i>FPM</i> pp. 175–184, 292–298

Further Pure Mathematics by Brian and Mark Gaulter

AQA Specification B Syllabus Grid

AS Module Pure Mathematics (P1)

IPM = Introducing Pure Mathematics

Topic	Pages	Notes
10.1 Algebra and Functions		<i>IPM</i> pp. 1–44, 79–116, 404–409
10.2 Coordinate Geometry		<i>IPM</i> pp. 131–147
10.3 Sequences and Series		<i>IPM</i> pp. 230–247
10.4 Trigonometry		<i>IPM</i> pp. 45–48, 334–335, 341–354
10.5 Differentiation		<i>IPM</i> pp. 156–188
10.6 Integration		<i>IPM</i> pp. 189–200
10.7 Numerical Methods		<i>IPM</i> pp. 472–473

AS Module Pure Mathematics (P2)

IPM = Introducing Pure Mathematics

Topic	Pages	Notes
11.1 Algebra and Functions		<i>IPM</i> pp. 31–32, 36–37, 93–98, 117–130
11.2 Sequences and Series		<i>IPM</i> pp. 248–258
11.3 Trigonometry	177	Also <i>IPM</i> pp. 45–48, 68–72
11.4 Exponentials and Logarithms		<i>IPM</i> pp. 410–414, 416–421
11.5 Differentiation		<i>IPM</i> pp. 156–188, 327–331, 416–422
11.6 Integration		<i>IPM</i> pp. 416–422

AS Module Pure Mathematics (P3)

IPM = Introducing Pure Mathematics

Topic	Pages	Notes
12.1 Algebra	140–148	
12.2 Series	159–160, 168–176	
12.3 Algebraic Structure	369–376	
12.4 Curve Sketching	218–230	Also <i>IPM</i> pp. 79–88, 93–96, 305–310
12.5 Polar Coordinates	43–48	
12.6 Complex Numbers	1–21	
12.7 Exponentials and Logarithms		
12.8 Matrices and Transformations	299–314	
12.9 Modelling		

A2 Module Pure Mathematics (P4)*IPM = Introducing Pure Mathematics*

Topic	Pages	Notes
13.1 Algebra and Functions		<i>IPM</i> pp. 122–124, 276–288
13.2 Coordinate Geometry		<i>IPM</i> pp. 148–153, 220–225
13.3 Sequences and Series		<i>IPM</i> pp. 230–236, 262–269
13.4 Trigonometry	30–34	Also <i>IPM</i> pp. 335–366
13.5 Exponentials and Logarithms		<i>IPM</i> pp. 410–413, 463–466
13.6 Differentiation		<i>IPM</i> pp. 292–312, 327–331, 383–403
13.7 Integration		<i>IPM</i> pp. 209–219, 383–395, 421–426, 442–443, 449–456
13.8 Numerical Methods	268–280	Also <i>IPM</i> pp. 472–483

A2 Module Pure Mathematics (P5)*IPM = Introducing Pure Mathematics*

Topic	Pages	Notes
14.1 Coordinate Geometry	130–139	Also <i>IPM</i> pp. 304–310, 319–320, 426–430
14.2 Sequences and Series		<i>IPM</i> pp. 262–275
14.3 Trigonometry		<i>IPM</i> pp. 374–379
14.4 Differentiation		<i>IPM</i> pp. 165–185, 313–331
14.5 Integration		<i>IPM</i> pp. 324–327, 433–471
14.6 Numerical Methods	280–285	Also <i>IPM</i> pp. 484–489
14.7 Vectors	94–102, 106–112	Also <i>IPM</i> pp. 493–513

A2 Module Pure Mathematics (P6)*IPM = Introducing Pure Mathematics*

Topic	Pages	Notes
15.1 Trigonometry		<i>IPM</i> pp. 358–370
15.2 Hyperbolic Functions	189–217	
15.3 Complex Numbers	1–21, 330–354	
15.4 Further Calculus	35–42, 201–210, 241–259, 362–365	
15.5 Differential Equations	57–75	Also <i>IPM</i> pp. 457–462
15.6 Matrices and Transformations	309–329	

A2 Module Pure Mathematics (P7)*IPM = Introducing Pure Mathematics*

Topic	Pages	Notes
16.1 Algebra and Determinants	80–93, 149–153	
16.2 Groups	369–404	
16.3 Further Vectors	94–121	
16.4 Linear Equations	87–93	
16.5 Coordinate Geometry	218–234	
16.6 Complex Numbers	12–17	
16.7 Polar Coordinates	230–234, 253	
16.8 Calculus and Series	175–184, 292–298	Also <i>IPM</i> pp. 262–275

Introducing Mechanics by Brian Jefferson and Tony Beadsworth

AQA Specification B Syllabus Grid

AS Module *Mechanics (M1)*

Topic	Pages	Notes
25.1 Introduction to Mechanics	1–7	
25.2 Application of Vectors in Mechanics	8–25	
25.3 Forces	50–65, 164–175, 271–272	
25.4 Kinematics in One Dimension	31–49	
25.5 Kinematics in Two and Three Dimensions	116–134	
25.6 Newton's Laws of Motion	75–85	
25.7 Connected Particles	85–96	
25.8 Moments and Centres of Mass	183–194, 221–236	
25.9 Projectiles	123–134	
25.10 Momentum	275–288	

A2 Module *Mechanics (M2)*

Topic	Pages	Notes
26.1 Newton's Laws of Motion	97–110	
26.2 Application of Differential Equations	420–426	
26.3 Kinematics	111–121	
26.4 Uniform Circular Motion	340–359	
26.5 Work and Energy	250–274, 370–377, 381–391	
26.6 Centres of mass by Integration for Uniform Bodies	236–249	
26.7 Simple Harmonic Motion	392–408	

A2 Module *Mechanics (M3)*

Topic	Pages	Notes
27.1 Introduction to Mechanics	1–7	
27.2 Application of Vectors in Mechanics	8–25	
27.3 Forces	50–65, 164–175, 271–272	
27.4 Kinematics in One Dimension	31–49	
27.5 Kinematics in Two and Three Dimensions	116–134	
27.6 Newton's Laws of Motion	75–110	
27.7 Kinematics	111–121	
27.8 Uniform Circular Motion	340–359	
27.9 Work and Energy	250–274, 370–377, 380–391	

A2 Module Mechanics (M4)

Topic	Pages	Notes
28.1 Relative Motion	144–163	
28.2 Dimensional Analysis	330–339	
28.3 Moments	190–209, 245–249	
28.4 Frameworks	301–317	
28.5 Momentum and Collisions in one dimension	275–295	
28.6 Momentum and Collisions in two dimensions	275–300	

A2 Module Mechanics (M5)

FM = Further Mechanics

Topic	Pages	Notes
29.1 Vector Methods in Mechanics	25–30	Also <i>FM</i> pp. 1–34
29.2 Projectiles on Inclined Planes		<i>FM</i> pp. 137–145
29.3 Forced and Damped Harmonic Motion	411–419	Also <i>FM</i> pp. 115–136
29.4 Momentum		<i>FM</i> pp. 88–96
29.5 Variable Mass Problems		<i>FM</i> pp. 81–87
28.6 General Circular Motion	359–369, 403–408	Also <i>FM</i> pp. 155–165

A2 Module Mechanics (M6)

FM = Further Mechanics

Topic	Pages	Notes
30.1 Moments of Inertia		<i>FM</i> pp. 201–223
30.2 Two Dimensional Rigid Body Motion		<i>FM</i> pp. 224–260
30.3 Stability		<i>FM</i> pp. 188–200
30.4 Motion in a Plane using Polar Coordinates		<i>FM</i> pp. 155–175

Further Mechanics by Brian Jefferson and Tony Beadsworth

AQA Specification B Syllabus Grid

AS Module Mechanics (M1)

IM = Introducing Mechanics

Topic	Pages	Notes
25.1 Introduction to Mechanics		<i>IM</i> pp. 1–7
25.2 Application of Vectors in Mechanics		<i>IM</i> pp. 8–25
25.3 Forces		<i>IM</i> pp. 50–65, 164–175, 271–272
25.4 Kinematics in One Dimension		<i>IM</i> pp. 31–49
25.5 Kinematics in Two and Three Dimensions		<i>IM</i> pp. 116–134
25.6 Newton's Laws of Motion		<i>IM</i> pp. 75–85
25.7 Connected Particles		<i>IM</i> pp. 85–96
25.8 Moments and Centres of Mass		<i>IM</i> pp. 183–194, 221–236
25.9 Projectiles		<i>IM</i> pp. 123–134
25.10 Momentum		<i>IM</i> pp. 275–288

A2 Module Mechanics (M2)

IM = Introducing Mechanics

Topic	Pages	Notes
26.1 Newton's Laws of Motion		<i>IM</i> pp. 97–110
26.2 Application of Differential Equations		<i>IM</i> pp. 420–426
26.3 Kinematics		<i>IM</i> pp. 111–121
26.4 Uniform Circular Motion		<i>IM</i> pp. 340–359
26.5 Work and Energy		<i>IM</i> pp. 250–274, 370–377, 381–391
26.6 Centres of mass by Integration for Uniform Bodies		<i>IM</i> pp. 236–249
26.7 Simple Harmonic Motion		<i>IM</i> pp. 392–408

A2 Module Mechanics (M3)

IM = Introducing Mechanics

Topic	Pages	Notes
27.1 Introduction to Mechanics		<i>IM</i> pp. 1–7
27.2 Application of Vectors in Mechanics		<i>IM</i> pp. 8–25
27.3 Forces		<i>IM</i> pp. 50–65, 164–175, 271–272
27.4 Kinematics in One Dimension		<i>IM</i> pp.
27.5 Kinematics in Two and Three Dimensions		<i>IM</i> pp. 116–134
27.6 Newton's Laws of Motion		<i>IM</i> pp. 75–110
27.7 Kinematics		<i>IM</i> pp. 111–121
27.8 Uniform Circular Motion		<i>IM</i> pp. 340–359
27.9 Work and Energy		<i>IM</i> pp. 250–274, 370–377, 380–391

A2 Module Mechanics (M4)*IM = Introducing Mechanics*

Topic	Pages	Notes
28.1 Relative Motion		<i>IM</i> pp. 144–163
28.2 Dimensional Analysis		<i>IM</i> pp. 330–339
28.3 Moments		<i>IM</i> pp. 190–209, 245–249
28.4 Frameworks		<i>IM</i> pp. 301–317
28.5 Momentum and Collisions in one dimension		<i>IM</i> pp. 275–295
28.6 Momentum and Collisions in two dimensions		<i>IM</i> pp. 275–300

A2 Module Mechanics (M5)*IM = Introducing Mechanics*

Topic	Pages	Notes
29.1 Vector Methods in Mechanics	1–34	<i>IM</i> pp. 25–30
29.2 Projectiles on Inclined Planes	137–145	
29.3 Forced and Damped Harmonic Motion	115–136	<i>IM</i> pp. 411–419
29.4 Momentum	88–96	
29.5 Variable Mass Problems	81–87	
28.6 General Circular Motion	155–165	<i>IM</i> pp. 359–369, 403–408

A2 Module Mechanics (M6)

Topic	Pages	Notes
30.1 Moments of Inertia	201–223	
30.2 Two Dimensional Rigid Body Motion	224–260	
30.3 Stability	188–200	
30.4 Motion in a Plane using Polar Coordinates	155–175	