AP Calculus BC

Scheme of Work · 教学计划

A starting allocation over 30 teaching weeks, weighted by each topic's share of past-paper marks — adjust to your own calendar. The last column lists the Library material that already covers the topic. 这是按各主题的真题分值占比分配的起始教学计划, 可按实际校历调整; 最后一栏列出资料库中已有的配套材料。

Weeks	Topic	Subtopics	Library material
1	**1. Limits and Continuity** 极限与连续性	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.11, 1.12, 1.13, 1.14, 1.15, 1.16	Handout · 16 Learn lessons · Slide deck · Vocabulary list · 16 exercise sheets · 2 past-paper sheets · Unit test
2–3	**2. Differentiation: Definition and Fundamental Properties** 微分：定义与基本性质	2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10	Handout · 10 Learn lessons · Slide deck · Vocabulary list · 10 exercise sheets · 7 past-paper sheets · Unit test
4–5	**3. Differentiation: Composite, Implicit, and Inverse Functions** 微分：复合、隐式与反函数	3.1, 3.2, 3.3, 3.4, 3.5, 3.6	Handout · 6 Learn lessons · Slide deck · Vocabulary list · 6 exercise sheets · 3 past-paper sheets · Unit test
6–8	**4. Contextual Applications of Differentiation** 微分在实际情境中的应用	4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7	Handout · 7 Learn lessons · Slide deck · Vocabulary list · 7 exercise sheets · 6 past-paper sheets · Unit test
9–11	**5. Analytical Applications of Differentiation** 微分的分析性应用	5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9, 5.10, 5.11, 5.12	Handout · 12 Learn lessons · Slide deck · Vocabulary list · 12 exercise sheets · 10 past-paper sheets · Unit test
12–15	**6. Integration and Accumulation of Change** 积分与变化的累积	6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 6.11, 6.12, 6.13, 6.14	Handout · 14 Learn lessons · Slide deck · Vocabulary list · 14 exercise sheets · 11 past-paper sheets · Unit test
16–17	**7. Differential Equations** 微分方程	7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9	Handout · 9 Learn lessons · Slide deck · Vocabulary list · 9 exercise sheets · 6 past-paper sheets · Unit test
18–21	**8. Applications of Integration** 积分的应用	8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 8.10, 8.11, 8.12, 8.13	Handout · 13 Learn lessons · Slide deck · Vocabulary list · 13 exercise sheets · 9 past-paper sheets · Unit test
22–25	**9. Parametric Equations, Polar Coordinates, and Vector-Valued Functions** 参数方程、极坐标与向量值函数	9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9	Handout · 9 Learn lessons · Slide deck · Vocabulary list · 9 exercise sheets · 8 past-paper sheets · Unit test
26–30	**10. Infinite Sequences and Series** 无穷数列与级数	10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 10.10, 10.11, 10.12, 10.13, 10.14, 10.15	Handout · 15 Learn lessons · Slide deck · Vocabulary list · 15 exercise sheets · 12 past-paper sheets · Unit test