



✓ AP Calculus Unit Completion Checklist – Advanced Reflective Edition

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“Mastery isn’t finishing topics — it’s understanding how they connect.”
Use this tracker weekly to visualize your growth, recognize patterns, and build long-term calculus fluency.

■ AP Calculus AB Units (7 Total)

Unit Topic Focus		Connections	Progress	Confidence (1–5)	Action Plan (if ≤2)
1	Limits & Continuity	Foundation for all calculus; connects to Derivatives (U2)	☐ Started	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ Watch Khan Academy videos ☐ Redo concept map
			☐ Partial		
			☐ Mastered		
2	Differentiation: Definition & Basic Rules	Builds from U1; basis for all applications	☐ Started	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ Solve 5 rule-based problems ☐ Revisit formula sheet
			☐ Partial		
			☐ Mastered		
3	Differentiation: Composite, Implicit, Inverse	Extends U2; prepares for U4 Applications	☐ Started	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ Complete 1 FRQ derivative question
			☐ Partial		
			☐ Mastered		



Unit	Topic Focus	Connections	Progress	Confidence (1–5)	Action Plan (if ≤2)
4	Contextual Applications of Derivatives	Links U2 + U3 to real contexts; connects to U5 (Analytical Apps)	☐ Started ☐ Partial ☐ Mastered	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ Analyze motion model graph
5	Analytical Applications of Differentiation	Relies on U4; connects to U6 (Integration)	☐ Started ☐ Partial ☐ Mastered	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ Identify inflection points visually
6	Integration & Accumulation of Change	Reverse of U2–U5; connects to U7 (DEs)	☐ Started ☐ Partial ☐ Mastered	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ Review FTC examples ☐ Practice Desmos integral
7	Differential Equations & Applications	Builds from U6; introduces modeling	☐ Started ☐ Partial ☐ Mastered	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ Revisit slope field theory ☐ Solve logistic DE

🧩 Checkpoint Recommendation:

→ Mini assessment after Units 2, 4, and 6 to test conceptual retention before the mock exam after Unit 7.



AP Calculus BC Extension Units (9 Total)

Unit	Topic Focus	Connections	Progress	Confidence (1–5)	Action Plan (if ≤2)
8	Integration Techniques (Parts, Partial Fractions, Improper)	Builds from U6; supports Series & Polar work	☐ Started ☐ Partial ☐ Mastered	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ Redo Integration by Parts exercise
9	Parametric, Polar, and Vector Functions	Linked with U5 (Applications) and U8	☐ Started ☐ Partial ☐ Mastered	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ Draw polar graphs ☐ Visualize vector motion
10	Sequences & Series (Convergence, Taylor, Maclaurin)	Extends all previous units; capstone BC topic	☐ Started ☐ Partial ☐ Mastered	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ Review Ratio Test ☐ Practice Taylor expansion

Final Reflection Prompts

- 🗨️ Which unit improved my **FRQ justification language** the most?
- 📊 Which unit best strengthened my **calculator/Desmos skills**?
- 💡 Which unit's concepts will be most useful in **university-level calculus**?
- 🔁 If I could restart, which unit would I study differently and why?



✚ Usage Tips

- Review your checklist **every Friday**; update both progress and confidence.
- Mark low-confidence topics (≤ 2) and complete at least one *Action Plan* item before next week.
- Add check-ins every **two units** using short “Checkpoint Quizzes.”
- Keep both a **printed version** (for quick review) and a **digital version** saved as: AP_Calc_Checklist_[date].pdf — this builds a visible learning timeline.