

AP Calculus Institute – June 21st - June 24th

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Workshop Syllabus

Day 1:

General comments about the AP program, and the “reform” movement.
What’s Hot / What’s Not – items to be covered in preparation for the AP test.

Best Teaching Practices on concavity, and local linearity.

Problems on curve sketching, analyses of functions, 2nd FTC, and differentials.

Day 2:

Problems on separable differential equations, slopefields, motion, and the 1st FTC.

Best Teaching Practices on functions & derivatives.

Calculator active problems.

Day 3:

The integral as an accumulator.

Applied extrema, and *justification* from local to absolute extrema.

Special focus: *Approximation*.

Calculator active problems.

AP “Jeopardy”.

Day 4:

The 2010 AP test.