



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 12 COURSE NAME: AP Calculus
MEASUREMENT TOPIC: Connect Differentiation and Integration

4

In addition to Score 3, the student makes in-depth inferences and applications.

3

The student will:

- **Determine antiderivatives of functions and indefinite integrals (non-substitution and substitution problems).**
- **Evaluate definite integrals analytically using the Fundamental Theorem of Calculus.**
- **Calculate a definite integral using areas and properties of definite integrals.**

2

The student will:

- **Represent accumulation functions using definite integrals.**
- **Approximate a definite integral using geometric and numerical methods.**
- **Interpret the meaning of areas associated with the graph of a rate of change.**

1

With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

Key Vocabulary: