



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 12 COURSE NAME: AP Calculus
MEASUREMENT TOPIC: Apply Integration

4

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

3

The student will:

- Calculate volumes of solids of revolution using definite integrals.
- Calculate volumes of solids with known cross sections using definite integrals.
- Calculate areas in the plane using the definite integral.

2

The student will:

- Determine values for positions and rates of change using definite integrals (in problems involving rectilinear motion).
- Determine the average value of a function using definite integrals.

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: