



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 10 COURSE NAME: Algebra I w/Probability
MEASUREMENT TOPIC: Analyze Quadratic Functions

4

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

3

The student will:

- **Solve problems represented by a quadratic relationship.**
- **Describe the effect of transformations of quadratic graphs.**
- Sketch quadratic graphs showing key features.

2

The student will:

- Produce an equivalent form of a quadratic expression.
- Identify key features of graphs and tables that represent quadratic functions.
- Calculate the average rate of change of a quadratic function using the avg rate of change formula.
- Determine whether a function represents a quadratic relationship.

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: