

Activity for Lesson 1: *Construct a Parabola*

Task: Create a collection of points that form a parabola by using its definition.

DEFINITION: A parabola is the set of points that are equal distance from a fixed point (called the focus) and a fixed line (called the directrix).

- **Do NOT** use a coordinate grid
- You can use any tools you have access to, such as rulers, string, compass, weights, tape, etc.
- The goal is to place at least 5 different points