Quadratics in Vertex Form:

Vertex and Axis of Symmetry

A quadratic can be written in many forms:

- Vertex Form: $y = a(x h)^2 + k$
- Transformation Form: y = a(bx c) + d
- Factor Form: y = a(x b)(x c)
- Standard Form: $y = ax^2 + bx + c$

This station will focus on the vertex and the axis of symmetry of a quadratic function. The vertex is a key characteristic of a quadratic function. Let's explore using the parent function $f(x) = x^2$ below.

