Quadratics in Vertex Form:

Writing Equations using Vertex Form

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 writing quadratic equations using vertex form $y = a(x - h)^2 + k$.



So, the equation for the parabola is $y = -(x - 6)^2 + 4$.