



| Content: MATHEMATICS – Algebra I | | | | | | |
|---|---|--|---|---|---|--|
| Topic: Ch 12 – Quadratic Functions (2 days) | | | | | | |
| Content (What do your students need to KNOW?) | Demonstrators (What do your students need to be able to DO?) | Assessment (How will you assess what your students ALREADY KNOW, and assess WHAT THEY'VE LEARNED?) | Activities (HOW will you teach it?) | Resources (What MATERIALS will you need?) | Differentiation (How will you reach the DIVERSITY of learners?) | Literacy Connection (How will you use READING and WRITING with this material?) |
| <p>MA-H-4.2.5 Students will determine the domain and range of a function, the slope and intercepts of a linear function, and the maximum/minimum and intercepts of a quadratic function.</p> <p>MA-H-4.2.6 Students will determine approximate solutions to quadratic equations..</p> | <p>Academic Expectations</p> <p>1.5 - 1.9 Students use mathematical ideas and procedures to communicate, reason, and solve problems.</p> <p>1.1 Students use reference tools such as dictionaries, almanacs, encyclopedias, and computer reference programs and research tools such as interviews and surveys to find the information they need to meet specific demands, explore interests, or solve specific problems.</p> <p>2.11 Students understand mathematical change concepts and use them appropriately and accurately.</p> <p>Program of Studies</p> <p>M-H-A-4 Students will use characteristics of the graphs of linear functions, such as slope and intercepts, transformations.</p> | | | | | |