



Resources

Books

Mathematics

This book includes extensive coverage of quadratic functions and their use to model real world phenomena (see Topics 4 and 5):

Breton, Guy, Andre Deschenes, Antoine Ledoux. *Mathematical Reflections 436, Book 1*. Montreal: CEC Editions, 1997.

This book provides a good introduction to mathematical modelling (see Section 2.2):

Cardin, Jean-Francois, Jean-Claude Humel, Antoine Ledoux, and Steeve Lemay. *Visions: Mathematique, 2e annee du 2e cycle du secondaire*. Montreal: Editions CEC, 2009.

This book includes a good introduction to transformations of quadratics (see Chapter 4):

Zimmer, David, Chris Kirkpatrick, Ralph Montesanto et al. *Nelson Mathematics 10*. Toronto: Nelson Thompson Learning, 2001.

Physics

This book provides a good introduction to projectile motion, complete with illustrations:

Hewitt, P. *Conceptual Physics*. 6th Ed. New York City: HarperCollins, 1989.

Websites

Comprehensive guide on the physics of rocket flight:

"Rocket Index." *National Aeronautics and Space Administration*. Accessed 14 July 2011.
<http://exploration.grc.nasa.gov/education/rocket/shortr.html>

A good summary of function transformations:

Stapel, Elizabeth. "Function Transformations / Translations: Basic Rules." *Purplemath*. Accessed 11 July 2011. <http://www.purplemath.com/modules/fcntrans.htm>