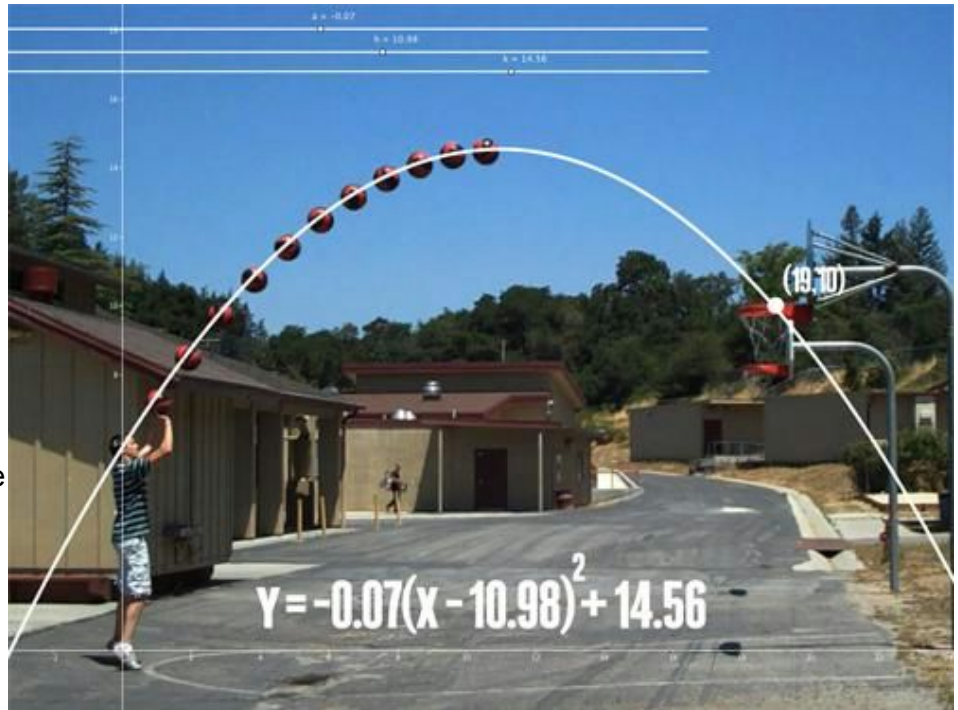


## Quadratic Calculator:

Dear Students,

Quadratics are all around us, from the path of a basketball, to the area of a garden, to the net centripetal force of a satellite orbiting the earth. Unfortunately, many students have trouble with them. Wouldn't it be nice if there were a Quadratic Calculator where you could just enter the coefficients of the quadratic and get the graph of the quadratic between -10 and 10, zeros, value of the discriminant (and what it means), the vertex, and the equation of the axis of symmetry? You can use the power of coding to make this dream a reality!



Sincerely,  
Your Teacher

<u>Know</u>	<u>Need to Know</u>	<u>Next Steps</u>

Photo credit: Dan Meyer from <http://blog.mrmeyer.com/2010/wcydwt-will-it-hit-the-hoop/>