Rhino Participation Bonus (+2) Appreciating our Father of Integral Calculus, Archimedes

Two thousand years before calculus was invented, Archimedes (287-212 B.C.), inventor, military engineer, physicist, and the greatest mathematician of classical times in the Western world, discovered that the area under a parabolic arch is **two-thirds the base times the height**. Find the formula f(x) of the parabola and use calculus to confirm the area under the curve is $\frac{2}{3}bh$,

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