



MARCH NEWSLETTER

Parisi Academy



PERSONAL DEVELOPMENT AND PROJECT LAB- MRS. NOLAN

March mini-series included keys to a successful future, and building your own person brand. Student-athletes had to think outside of the box and expand their brand as more than just the sport that they play. Lessons also included social media posts and elevator pitches.



LANGUAGE ARTS- MRS. CARUSO

In Language Arts we covered Women's History month, with writing prompts focusing on growth in women's sports. Classes started poetry with Diamante poems. They created their own poems centered around truth and lies. Students then chose someone that represents truth to them, some examples included family members, Jesus, Muhammad Ali, and Mahatma Gandhi.





HEALTH SCIENCE AND PHYSIOLOGY- MR. HARRISON

During March, student-athletes were grouped to research health and sports of other cultures. Presentations included the countries main sport, ranks in the olympics, obesity rates, and nutritional customs within that culture. To finish the month, classes learned about the muscular and skeletal systems.

HISTORY AND CURRENT EVENTS- MR. JANKIEWICZ

March started with the Roman Empire. Student-athletes presented three different time periods including the origin story. During the intersession week, student-athletes picked and researched top entrepreneurs and what makes them so successful.

MATHEMATICS- MRS. POKORSKI

Written by Austin Busso and Luke Wiatrak

Mathematics has many real world applications that some might not even recognize at the moment. Math is everywhere around us and is a part of the technology that we use everyday. One of the most fascinating, clear, but complex and brilliant areas are quadratic equations and their applications.

Quadratic formulas are extremely fascinating because of their mathematical properties. For example, the axis of symmetry, in general, cuts an object in half and creates two mirror images. As for a parabola, the axis of symmetry is determined by the formula $x = (-b) / (2a)$. After plugging in values this equation gives us the number on the x axis where we find the balance between the parabola split in half. B is the coefficient of the x in the quadratic equation, and a is another coefficient of the first x^2 in the equation.

In order to graph a parabola, or to graph a quadratic equation, the first step is to find the axis of symmetry, second is to find the vertex, third is to plug in the vertex then using it to find to the rest of the values using a calculator, then to plot the points and draw the parabola. The solution to this equation may be real or complex. Parabolas can be determined based on whether they are opened up or down, width, and steepness. Again, quadratic equations are used in many real world applications and can even determine the growth and decay of populations.