



the stars
challenge

Patterns in Nature
Winter 2014



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Opening night began with introductions and the start of friendships as the students tried to outwit and outlive each other in the natural selection challenge!



John and his "Jazz hands" pretty much says it all - one of our favorite teams of students!



Mr. Coe and his passion for astronomy had universal appeal, both in the field...



... and in the lab.



Students applied principles of experimental design to investigate concepts related to spiral patterns.



Mr. Fusco, our guest lecturer, helped us create dandy candy models of DNA. It was hard to put them together without taking a bite out of the delicious sweets but the final product was delectable!



The second part of the night centered around an awesome experiment where we extracted nucleic acid from strawberries and bananas. It was messy and wet and tons of fun!



How are science and poetry connected? Mrs. Colfax spent the evening with us helping us compose science poetry using our powers of observation, quantitative, and qualitative data.



Slippery, slimy, and 21 feet long! A 20 ft. snake skin, fossils, amber, and pine cones, scientific data and field notes, became poetry in our participants' notebooks.



The students created tessellations with Mr. Bartlett and the results were terrific!



0, 1, 1, 2, 3, 5, 8.....Fibonacci found all around!



Dr. Martino focused her presentation on patterns involving many different types of waves.



Ms. Babbin helped the students explore patterns involved with the chemistry of water on molecular and macro levels.



Do not try this at home: We made our own tie dye!



Poricy Park provided a perfect setting for our final session that challenged powers of observation...



... creativity, perception, interpretation and artistic expression in the form of eco-art.



