



2010

## MASSACHUSETTS CLEAN TECHNOLOGY AWARDS

A Program from The Foresight Project Inc; [www.theforesightproject.org](http://www.theforesightproject.org)



Region V: Southeastern  
Massachusetts

Kaleigh Mency: Plouffe  
Academy, Brockton

Climate Science:  
*Mythbuster: Weather Edition*

### About Me:

My name is Kaleigh Mency and I am an 8<sup>th</sup> grader at the Plouffe Academy in Brockton. I am the youngest of three girls and have lived in Brockton my whole life.

I like academics a lot, but I also play many sports at school. I am captain of our girls' volleyball and basketball teams, and also play soccer and softball. I will be running the mile in our city's Middle School Fitness Day Track and Field Competition in June. I am also a baton twirler, since first grade and now teach a beginner's class at the Plouffe Academy. I am on the Open Squad for the New England Majorette Association, and plan to twirl in Brockton High School's half time show in the fall.

### My Project:

I want to study meteorology after high school, and that is what sparked the idea for my science fair project. My project was to see if the weather myth "Red sky at night, sailors delight; red sky in morning, sailors take warning" was true.

The controls in the experiment were: the website used to find the data, the year the data was recorded, and the myth that was being tested. The independent variable of the experiments was the time of day. The dependent variables for all of the experiments were the weather and sky hue.

After analyzing the data, the results of the experiment were that the weather myth was true and accurate. Nature truly can predict the weather accurately. Also this shows that people can predict the weather on their own instead of watching the weatherman or looking up the weather for that day. In addition, this method is a lot cheaper and more environmentally friendly because no electricity or paper products are used to find the weather; just the simple observance of nature.