



2009

## MASSACHUSETTS CLEAN TECHNOLOGY AWARDS

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



Region V, Southeastern  
MA; Climate Science  
Honorable Mention:

Hannah MacLeod,  
Calvary Chapel  
Academy, Rockland

“Can Water Float on  
Water?”

### ABOUT ME:

Hello, my name is Hannah MacLeod and I am twelve years old. I attend Calvary Chapel Academy in Rockland where I am in the sixth grade. My family is made up of two sisters, a brother, my mother and father, and all my pets. Grace is the oldest of my sisters and is ten years old. She enjoys art and wants to be a doctor when she grows up. Isabelle is five years old and loves to play with dolls. Matt, my brother, is eight years old and wants to be a policeman when he grows up.

My mom's name is Jennifer; she is a teacher and teaches the fourth grade. My dad's name is Bob and he is an architect. I have two dogs whose names are Minnie and Tally. I also have nine chickens, one hamster named Indiana, and an iguana named William Wallace.

In my free time I like to go horseback riding, play soccer, take drama, and my favorite thing of all is to play basketball.

### MY PROJECT:

My science fair project's title is “Can Water Float on Water”, but it was really about water density. For my experiment I took two glasses and filled one with salt water and the other with fresh water. With plastic wrap over the fresh water glass I flipped it over and placed it on top of the salt water glass. Pulling the plastic wrap from between the glasses I removed the separation and the fresh water floated on the salt water. Next I reversed the solutions and placed the salt water over the fresh. When the plastic wrap was removed this time the solutions mixed.

This result was due to the fresh water being less dense than the salt water. When it is placed on top it floats and when it is placed on the bottom it mixes with the salt water. So to answer the science experiment's title, yes, water can float on water.