CWSF 2013 - Lethbridge, Alberta

Hannah Miles

Coral Growth Under Artificial Light Sources

Challenge: Environment
Category: Intermediate
Region: Halifax
City: Upper Tantallon, NS
School: Sir John A. Macdonald High School
Abstract: I was curious to see what types of energy efficient artificial light sources would help sustain coral growth in captivity. I took 3 light sources and put 4 identical corals under each source. I documented their growth by photography daily to track their growth.

Biography

I am a 16 year old grade 10 student that goes to Sir John A MacDonald High School in Upper Tantallon, Nova Scotia. If I do further investigations, I would like to try using different colored LED lighting. I would like to use colors like blue, red, purple, white, or yellow. I got the inspiration for my project from my father's previous business. He used to own a small tropical fish and reef shop that i used to help him with. To the students that are planning on doing a project in the future, I say that it is a great idea. You need to be able to know all aspects of your project, and know if there were any previous studies or experiments done that relate to your project. It has been a great experience for me so far and I'm looking forward to attending the Canada Wide Science Fair.

Awards	Value
Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	$100
Western University Scholarship Bronze Medallist - $1000 Entrance Scholarship Sponsor: Western University	$1 000
Total	$1 100

Youth Science Canada
PO Box 297
Pickering ON L1V 2R4
www.youthscience.ca / info@youthscience.ca
416-341-0040