CALIFORNIA STATE SCIENCE FAIR 2015 PROJECT SUMMARY

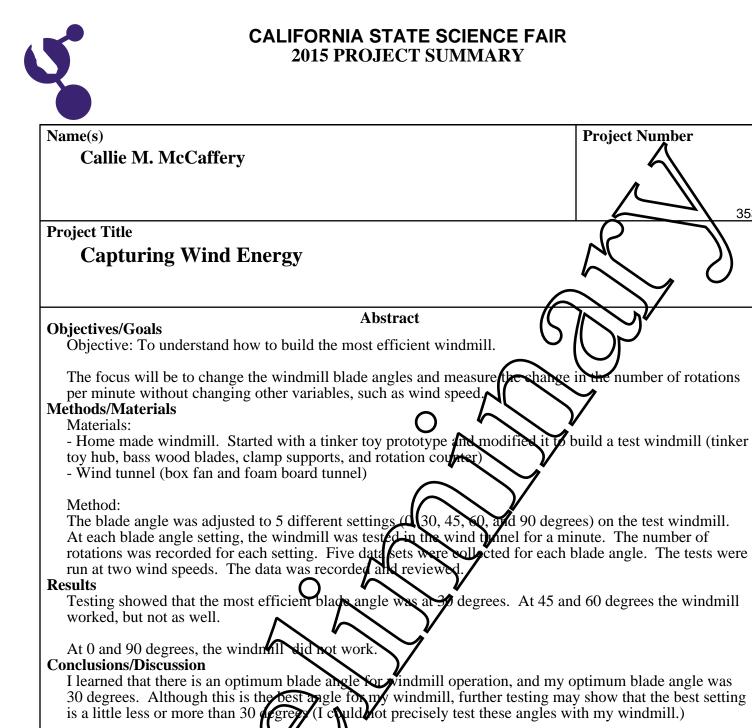
Project Number

the number of rotations

change in

degrees. At 45 and 60 degrees the windmill

35317



I also learned that changing wind speeds his not change the best angle. From this it is seen that the correct blade angle at low wind speed can perform better than a less efficient blade angle at high wind speeds.

Summary Statement

My project is to determine how windmill blade angles affect the windmill's performance by changing blade angles and measuring results in a wind tunnel.

Help Received

My Dad helped build the test windmill after I built the prototype. My Mom helped during the test and with lessons on the computer.