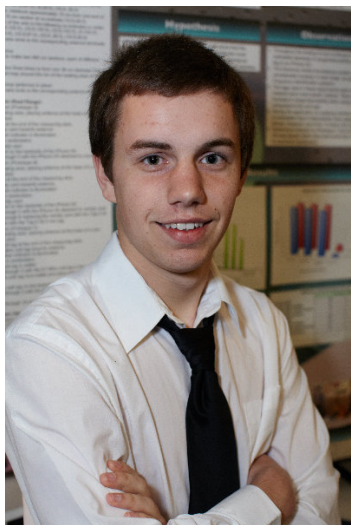


## CWSF 2012 - Charlottetown, Prince Edward Island



### Maxwell Poole

#### An EASy Way To Keep Your Valuables Out of Your Laundry

**Challenge:** Innovation

**Category:** Senior

**Region:** Tri-County

**City:** Yarmouth, NS

**School:** Yarmouth Consolidated Memorial High School

**Abstract:** The project tested if Radio Frequency Identification (RFID) or Electronic Article Surveillance (EAS) systems could be used to aid the prevention of water damage to personal articles caused by unintentional placement in a washing machine. Testing was performed using RFID and EAS prototypes; various tags were used to detect ranges and application detectability in many circumstances. The EAS system proved to be the most reliable.

### Biography

Maxwell Poole is 16 years of age and resides in Chebogue, Yarmouth County, NS. He attends Yarmouth Consolidated Memorial High School as a grade 11 student. Maxwell swims competitively for the Yarmouth Y Whitecaps at various swim meets throughout the Atlantic Provinces. He works for the Yarmouth County Referee's Association as a timekeeper for minor hockey games and the Maritime Hockey League. As well, he worked with Maritime Remediation on the native reserve in Natuashish, Labrador last August for three weeks. Maxwell volunteers at many road races and track meets throughout Yarmouth as Head Timer and Statistician.