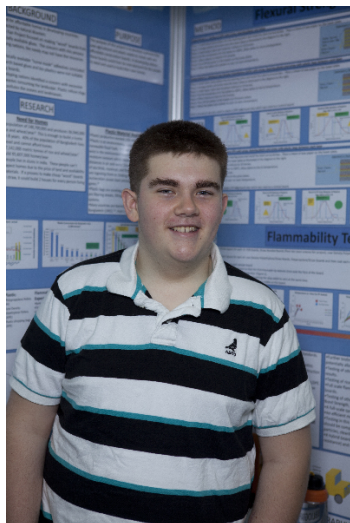


ESPC 2013 - Lethbridge (Alberta)



Kyle Potts

Flexural and Flammability Properties of Straw-Plastic Composites

Défi: Ressources

Catégorie: Sénior

Région: Simcoe County

Ville: Barrie, ON

École: Eastview S.S.

Sommaire: This project created construction boards out of waste straw and waste plastic. It investigated the impact of the type of plastic and the plastic-to-straw ratio on flexural strength of the boards. Two types of plastics were examined: polyethylene and polypropylene. Flammability was also investigated. Plastic-straw composite boards exceeded flexural requirements of the ANSI standards and were more flame resistant than commercially available oriented strand boards.

Biographie

Kyle Potts is a 16-year-old student in grade 10. He enjoys playing hockey, baseball, and basketball. He likes to swim, play guitar and the french horn. He is inquisitive and fascinated by science and technology. He is involved in choir and orchestra at his school. One day he hopes to pursue a career in science or computers.

Prix	Valeur
Commission canadienne pour l'UNESCO - Prix pour la paix et le développement (voyage à l'ESI organisée par le MILSET) Commanditaire: Commission canadienne pour l'UNESCO	5 000,00 \$
Prix d'excellence - Senior - Médaille de bronze Commanditaire: Sciences jeunesse Canada	100,00 \$
Bourse d'admission de l'Université d'Ottawa Médaille de bronze, sénior ? Bourse d'admission de 1 000 \$ Commanditaire: Université d'Ottawa	1 000,00 \$
Bourse d'études de Western University Médaille de bronze - Bourse d'admission de 1 000 \$ Commanditaire: Université Western	1 000,00 \$
Total	7 100,00 \$