



## ESPC 2011 - Toronto (Ontario)



## Biographie

Hi, my name is Grace Enns and I'm in grade 10. I love all sports, but sailing happens to be my favourite. One of my greatest achievements was carrying the Olympic torch. It was really fun and made me very proud to be a Canadian. One of my greatest honors was being a valedictorian in grade 8. I find sciences very interesting and my goal is to become a healthcare proffesional or an enviornmental engineer.

## **Grace Enns**

## **Raining Power!**

Défi:	Environnement
Catégorie:	Intermédiaire
Région:	Windsor
Ville:	Kingsville, ON
École:	Cardinal Carter C.S.S.
Sommaire:	This project explored the effe
	output generated by water fa

**Dommaire:** This project explored the effects tube length and diameter have on power output generated by water falling vertically onto a turbine. With tube length as the variable all 3m tubes yield a larger current than 2m tubes. When tube diameter was the variable the power output was directly proportional to diameter size. The duration of flow decreased when the diameter sizes and tube lengths increased.

Prix	Valeur
Prix d'excellence - Intermédiaire - Médaille de bronze	300,00 \$
Commanditaire: Sciences jeunesse Canada	
Bourse d'études de l'Université Western Ontario	1 000,00 \$
Médaillé de bronze - Bourse de début d'études de 1 000 \$	
Commanditaire: Université Western Ontario	
Total	1 300,00 \$



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