

## ESPC 2010 - Peterborough (Ontario)



### Jennifer Brown

#### A Stable Plasmoid: The Ball Lightning Effect

**Division:** Sciences physiques et des mathématiques

**Catégorie:** Intermédiaire

**Région:** Prairie Valley

**Ville:** White City, SK

**École:** Greenall School

**Sommaire:** Ball lightning is an atmospheric phenomena theorized to be a plasmoid. This experiment details how to create a stable plasmoid exhibiting the ball lightning effect using a carbon source and microwaves.

#### Biographie

My name is Jennifer Brown and I am a Grade 9 student at Greenall High School in Balgonie, Saskatchewan. I have a variety of extra curricular interests including soccer, writing and music. Animals are one of my true passions and I love to spend time with mine and everyone else's pets. I am also an avid reader and enjoy historical fact and fiction and fantasy fiction. My family tells me I have "the gift of the gab" and I guess that's true as I have won several Optimist oratorical awards and participated in debate tournaments at the regional and provincial level. I love to learn and enjoy most of my classes, but science and math are the subjects that really interest me. I see a career in the science or math fields but exactly what is still unknown. Perhaps engineering? Last year I was chosen to participate at the Regional Science Fair and I feel privileged to have done the same this year as well as being chosen to represent my region at the Canada Wide Science Fair. I am looking forward to this experience with anticipation and excitement. It's going to be a blast!