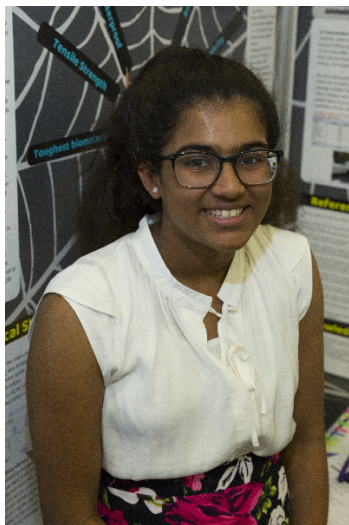


CWSF 2018 - Ottawa, Ontario



Shivalikaa Govind

Sticky Strength

Challenge: Innovation

Category: Junior

Region: Edmonton

City: Edmonton, AB

School: Stratford School

Abstract: Today finding a strong flexible material is difficult. Spider silk is the strongest natural fiber, some being stronger than steel. I thought of some ways we can use this strength in many medical and engineering applications. I researched the chemical properties of the silk and what makes it so strong. This could be a great contribution to our society. Untangling the toughest biomaterial.

Biography

My name is Shivalikaa Govind and I attend Stratford Junior High School in Edmonton. I am passionate about my science fairs and experiences as well as other hobbies such as singing, piano, and swimming. For my project, I found my inspiration from a "did you know?" fact from a section in my science textbook. I immediately wanted to research further about spider silk and how it applies in today's world. To explore this topic even more in depth, I would want to run my own tests and utilize my ideas on how to reproduce spider silk. When selecting a project, originality and creativity is incredibly important. When trying to pursue your own project, I would encourage you to find something that fascinates you in your society. Most important of all, try your best.