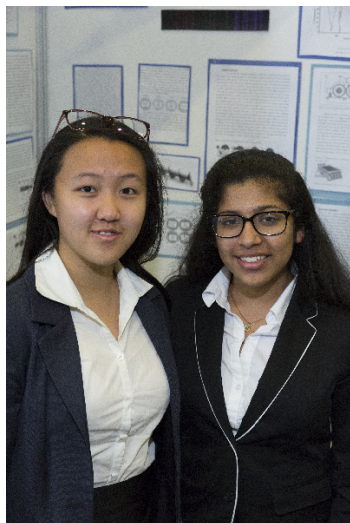


CWSF 2018 - Ottawa, Ontario



Cheryl Chen, Stuti Sharma

Cede: A Novel Approach to Astronomical Profit

Challenge: Resources

Category: Junior

Region: South Fraser

City: Burnaby, BC, Surrey, BC

School: Surrey Academy of Innovative Learning

Abstract: Humanity has a tendency to strive for progression. As we continue to chase after constant improvement, it is crucial for us to develop methods for (1) a perpetual source of resources, and (2) economically sustainable explorations. Cede is a novel approach to space sustainability. Through asteroid mining, Cede provides a mechanism for existing missions to advance, and a gateway for further expeditions.

Biographies

Cheryl - Growing up on the West Coast means interacting with rich ecosystems and an abundance of overpriced goods, which is probably where someone like me learned to love wildlife and capitalism. Currently, my hobbies include attempting to research, producing podcasts, and composing songs. Sports aren't really my forte, but that doesn't stop me from trying to stay active by playing water polo and jogging. In the future... Well, I have no idea! For now, projects like this one are ruining- I mean, bettering my life. Stuti and I were introduced to the space sciences two years ago, when our angstsy sixth-grade selves became intrigued by black holes. Th...
Stuti - Hi! I am Stuti Sharma, a grade 8 student at SAIL Academy in Surrey. My interests include binging on scientific journals, warding off my little brother from my homework, and occasionally contemplating my existence. If I'm not procrastinating by looking at memes, or into nothingness, you can find me cramming schoolwork and playing the ukulele. Aside from all this, I also have a passion for science, mainly physics and astronomy. From the past couple years, I have looked into different astronomical fields with my partner, Cheryl. Through these projects, we realized that sustainability in space is a major issue, and thus created Cede! In theory, C...

Awards

Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000