

April 2024



# DT ODYSSEY NEWSLETTER



*We acknowledge that we live, work and play with great privilege on the unceded and traditional territories of the xʷməθkʷəy̓əm (Musqueam), Skwxwú7mesh Úxwumixw (Squamish Nation), and səlilwətał (Tsleil-Waututh Nation).*



Extra! Extra! Read all about it! Our school's brilliance shines bright as we proudly acknowledge the outstanding achievements of our students across diverse areas! From fascinating science fair projects to triumphant victories in math competitions, strategic triumphs on the chessboard, and stellar performances in sports, our students continue to astound and inspire. Join us in celebrating their dedication, passion, and exceptional success in this newsletter, as we applaud their unwavering commitment to excellence!



Youth Science Canada  
Sciences jeunesse Canada



GREATER VANCOUVER  
REGIONAL SCIENCE FAIR



# SCIENCE FAIR

## Greater Vancouver Regional Science Fair



Congratulations to all the student participants who attended this year's fair from all over the region! There were many amazing project ideas from grades 7 to 12 on display in the NEST Student Union Building at UBC. The community can access some of the photos on the VDSF Instagram posts and our DT Odyssey Science Fair webpage, <https://blogs.vsb.bc.ca/thompson-odyssey/2024-gvrsf/>.

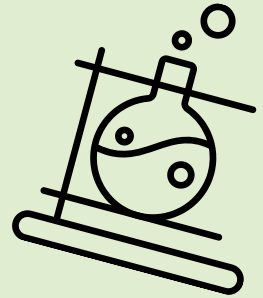
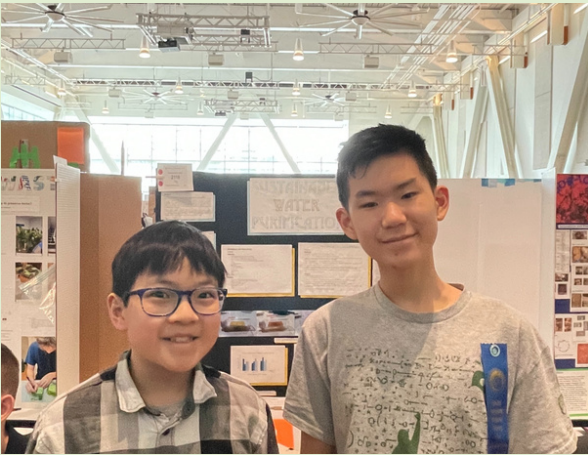
Nine of the sixteen projects selected for next month's Canada-Wide Science Fair are from the VSB. Four of the sixteen projects are from DT students who have been invited to attend the CWSF held in Ottawa which will be taking place from May 26th through 31st. We are excited for them and cheering for them!

We are thrilled to announce the impressive accomplishments of our Greater Vancouver Regional Science Fair 2024 participants! From April 4th to 6th, GVRSF hosted an exceptional event at UBC demonstrating the amazing projects crafted by young minds!

# SCIENCE FAIR

Our DT team, composed of students from grades 8 to 12, presented a total of 15 projects covering a diverse range of topics including engineering, environmental conservation, assistance for those with disabilities, archaeology, and more.

## Junior Division

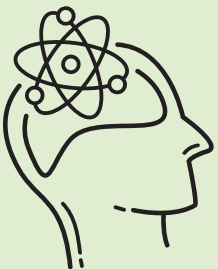
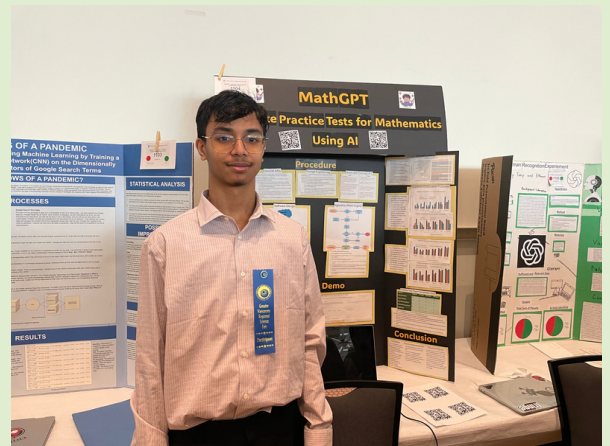


**Leo Ying & Theodore Yip (Gr 8)**  
Sustainable Water Purification

- Honorable Mention

**Adhvik Chakraborty (Gr 8)**  
MathGPT – Generate Practice Tests  
for Mathematics using AI

- Silver Medal





# SCIENCE FAIR

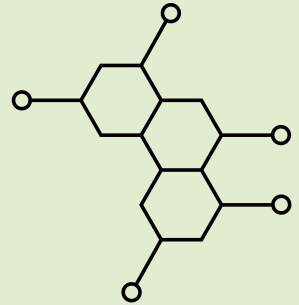
## Intermediate Division



### **Kara Wong (Gr 9)**

Glass Fiber: A Prevention Measure

- GVRSF Participant



### **Benjamin Lee (Gr 9)**

Deep and Non-Invasive Harvesting of CPU Heat

- Bronze Medal
- BC Hydro Power Pioneers Award



### **Rebecca Louie (Gr 9)**

Need a Bionic Hand?

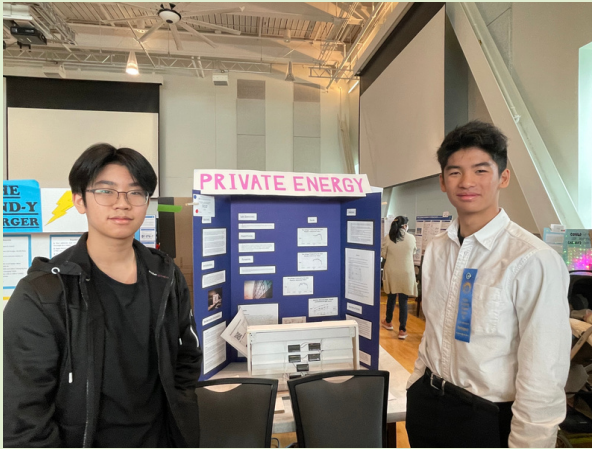
- Gold Medal





# SCIENCE FAIR

## Intermediate Division



### **Kyle Jung & Ian Wong (Gr 9)**

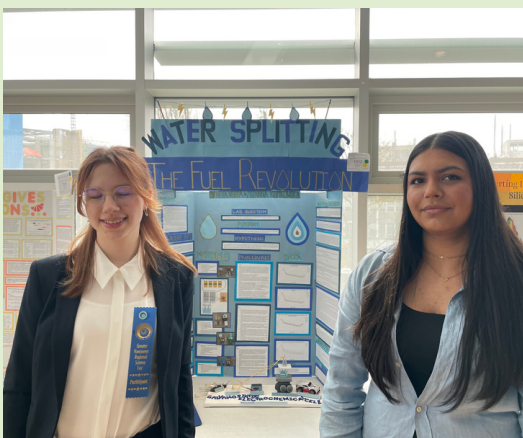
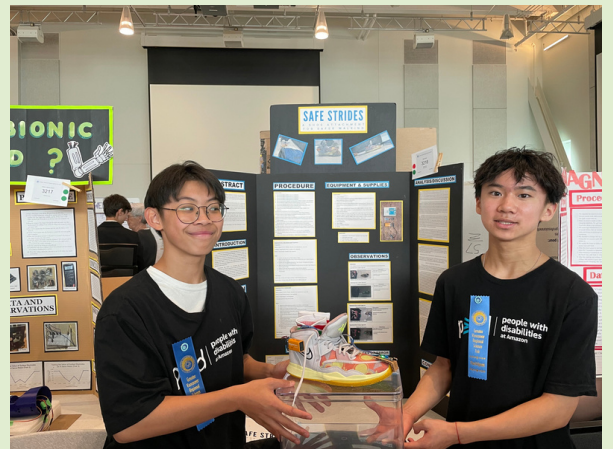
Private Energy: Using Blinds to Generate Clean, Cost-Effective Electricity

- Silver Medal

### **Ethan Chong & Nathan Leang (Gr 9)**

Safe Strides

- Silver Medal

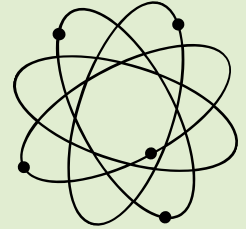


### **Zuzanna Klimkowska & Neha Verma (Gr 10)**

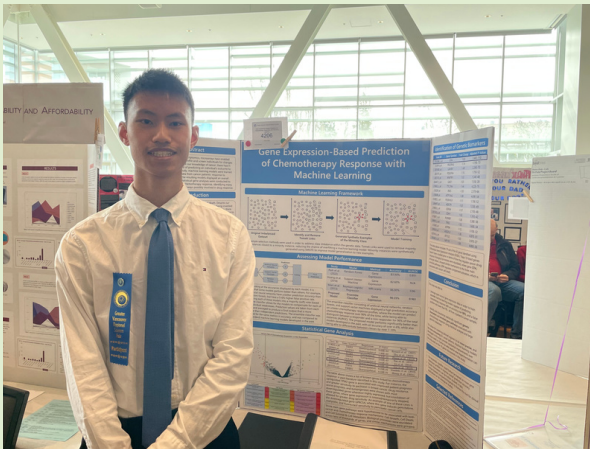
Water Splitting: The Fuel Revolution

- Honorable Mention
- Greater Vancouver Mining Women's Association Award

# SCIENCE FAIR



## Intermediate Division



### **Dewey Liang (Gr 10)**

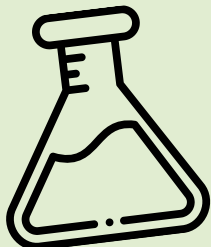
Gene Expression-Based Prediction of Chemotherapy Response with Machine Learning

- Gold Medal
- Genome BC Award
- Invited to Canada Wide Science Fair

### **Corvin Mak (Gr 10)**

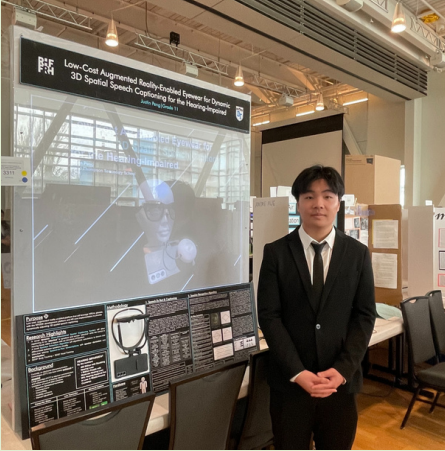
Sherd-entification

- Bronze Medal



# SCIENCE FAIR

## Senior Division



### **Justin Peng (Gr 11)**

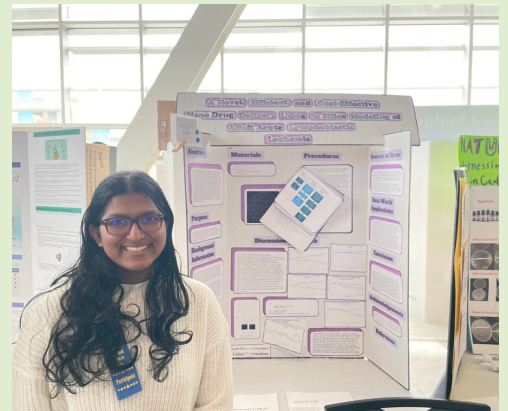
Low-Cost Augmented Reality-Enabled Eyewear for Dynamic 3D Spatial Speech Captioning for the Hearing-Impaired

- Gold Medal
- SFU Scholarship (\$6000)
- Invited to Canada Wide Science Fair

### **Viduni Siriwardana (Gr 11)**

Computational Modelling of Strategies for Therapeutic Modulation in Acute Lymphoblastic Leukemia

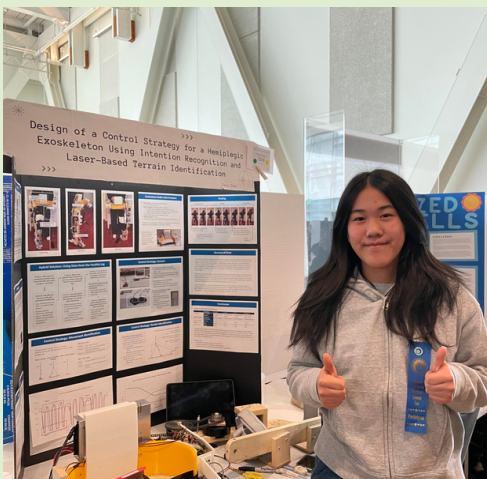
- Gold Medal
- Invited to Canada Wide Science Fair



### **Tara Zhan (Gr 11)**

Design of a Control Strategy for a Hemiplegic Exoskeleton Using Intention Recognition and Laser-Based Terrain Identification

- Gold Medal
- Engineers and Geoscientists of BC Award
- UBC Engineering Physics Award
- BC Game Developers Innovation Award
- UBC Faculty of Engineering and Applied Science Award
- Invited to Canada Wide Science Fair

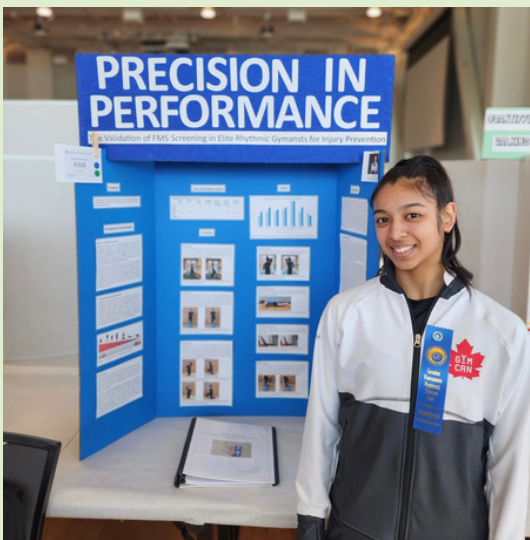




# SCIENCE FAIR



## Senior Division



### **Pari Goyal (Gr 12)**

Precision in Performance – The Validation of FMS Screening in Elite Rhythmic Gymnasts for Injury Prevention

- Silver Medal
- Vancouver School Board Award

### **Selena Du & Lucie Li (Gr 12)**

dAMP: Moisture-Enable Energy Generation

- Honorable Mention

