

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/>.

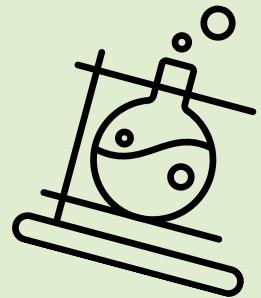
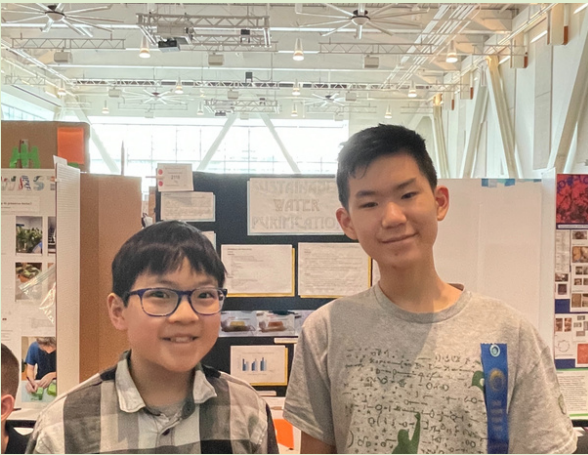
Nine of the sixteen projects selected for next month's Canada-Wide Science Fair are from the VSB. Four of the sixteen projects are from DT students who have been invited to attend the CWSF held in Ottawa which will be taking place from May 26th through 31st. We are excited for them and cheering for them!

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

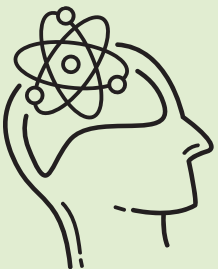
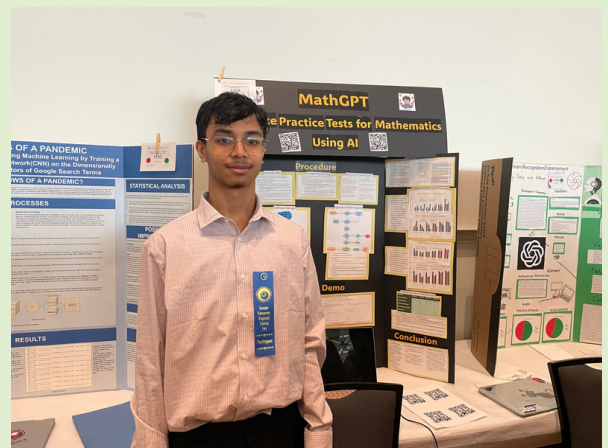


**Leo Ying & Theodore Yip (Gr 8)**  
Sustainable Water Purification

- Honorable Mention

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

- Silver Medal



# SCIENCE FAIR

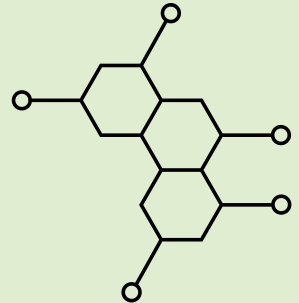
## Intermediate Division



**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)**

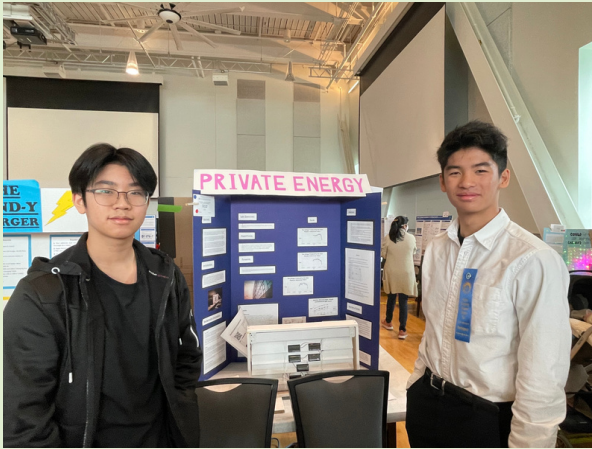
Need a Bionic Hand?

- Gold Medal



# SCIENCE FAIR

## Intermediate Division



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

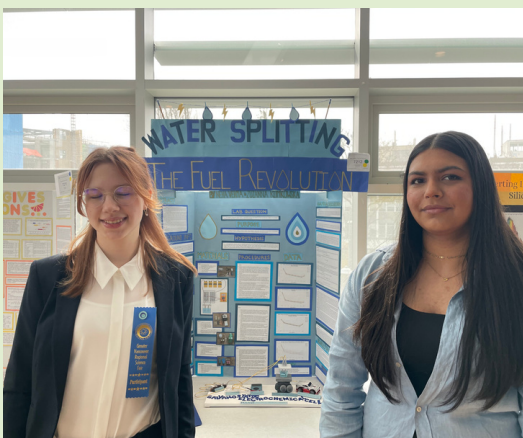
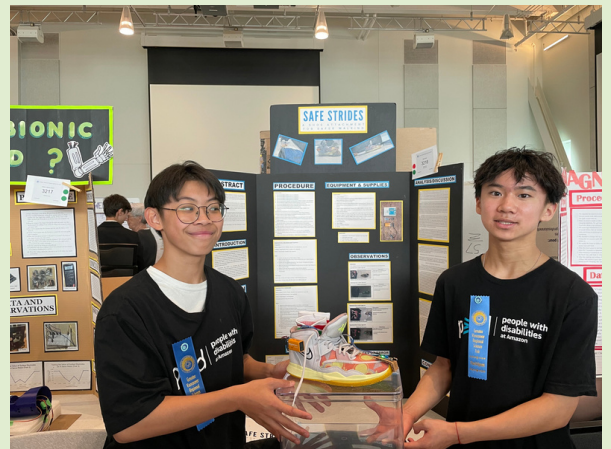
Private Energy: Using Blinds to Generate Clean, Cost-Effective Electricity

- Silver Medal

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

Safe Strides

- Silver Medal

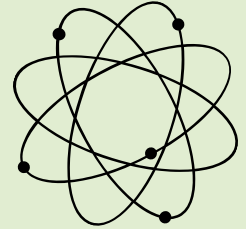


### **Zuzanna Klimkowska & Neha Verma (Gr 10)**

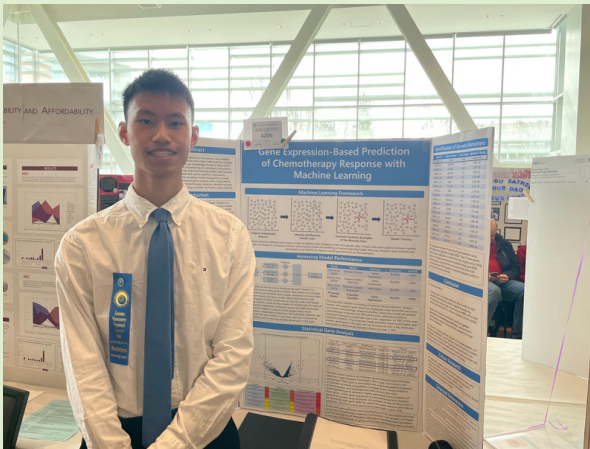
Water Splitting: The Fuel Revolution

- 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)**

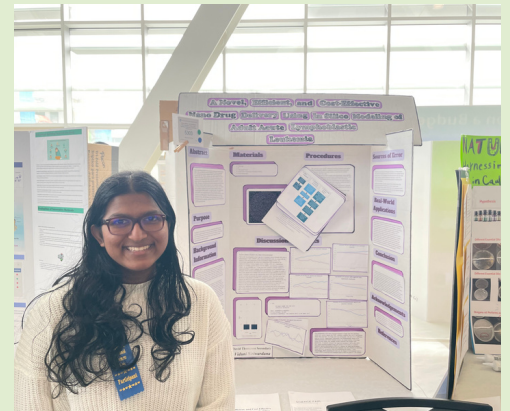
Low-Cost Augmented Reality-Enabled Eyewear for Dynamic 3D Spatial Speech Captioning for the Hearing-Impaired

- 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

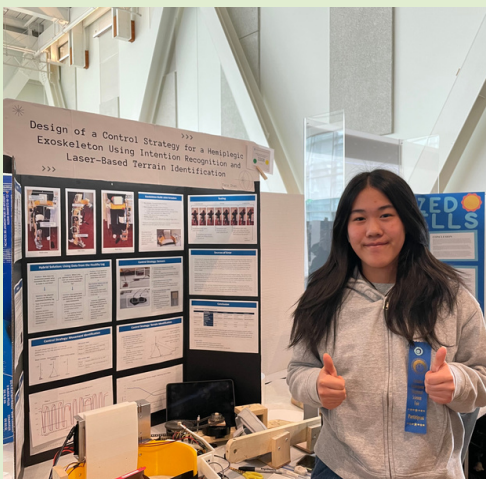
- Gold Medal
- Invited to Canada Wide Science Fair



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

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

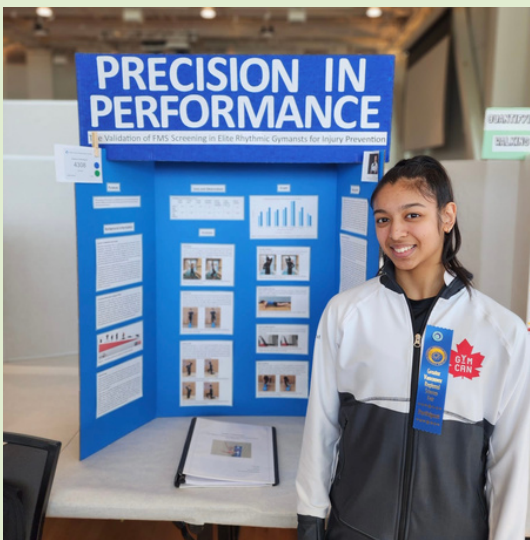
- Gold Medal
- Engineers and Geoscientists of BC Award
- UBC Engineering Physics Award
- BC Game Developers Innovation Award
- UBC Faculty of Engineering and Applied Science Award
- Invited to Canada Wide Science Fair



# SCIENCE FAIR



## Senior Division



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

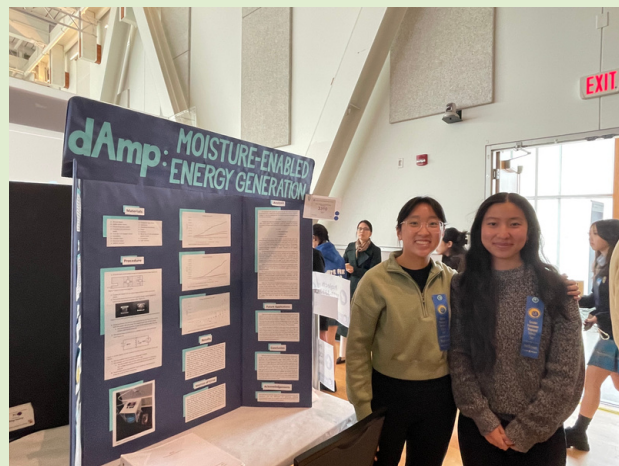
Precision in Performance – The Validation of FMS Screening in Elite Rhythmic Gymnasts for Injury Prevention

- Silver Medal
- Vancouver School Board Award

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

dAMP: Moisture-Enable Energy Generation

- Honorable Mention









# CHESS CLUB

This year, Board Games Club and Chess Club have had an eventful time with students from each grade colliding with each other and playing joyful and exciting games! We have had a handful of enthusiasts in Saboteur, a personal favourite that never stops spreading suspense, and Exploding Kittens, the game that makes everyone stand up from their chairs in excitement. With voices that spread all throughout the classroom, the club was filled with energetic pupils and thrilled players.

While as of chess, we had an amazing time creating the DT chess team, who has gone off insane! Our six-person team went on to 19 wins, and 5 draws, out of 25 games at regionals! After winning regionals, we are expected to play at Provincials with the same team in the following months. Every week, our dedicated chess team comes to the club as we play quick blitz games against each other. Occasionally, the BC Grade Chess Champion, Aiden Leong, also gives lessons to those still developing their skills. We hope that in the future, these younger players will also join the school team representing regionals and provincials.

And at last, we have a picture from November of our club filling the classroom with joy and excitement!



# SPORTS

As the weather starts warming up, the summer sports have begun! The Track & Field and the Ultimate team are full of eager students from all grades.

## TRACK & FIELD



Just getting into the groove is David Thompson's Track & Field team! They have welcomed several new members into the community, many of which are in Odyssey. Although Track & Field is mainly individual events, they may as well be a collective with their compassion.

Most recently, our Track & Field team has participated in two meets at the UBC Rashpal Track. Despite the harsh, cold weather that battered the participants in both meets, they pushed through to their goals!



Patrick, Kevin, Nicholas



Sean, Allan, Evan, Kevin, Ridhav, Patrick, Jacky, Timothy, Kelvin



Rebecca, Kara, Kayley, Madison



The Track and Field Team



# SPORTS



## ULTIMATE FRISBEE

With the season of spring having arrived, another sport played among several Odyssey students is Ultimate. While some of our team members are fairly new to this sport, there are also former players and club members. Not only are some of these people representing Odyssey, but also the team, as two of them, Emily Chan and Isabel Huang, are the co-captains! Despite the team diversity of various skill levels and grades differing from 8 to 12, we have come to work well together, having our team spirit be more alive than any other team. Joining the team is a great opportunity to improve your skills, learn new techniques, and meet different people; being in the Odyssey community allows you to already be able to connect with many. People from the team have said, "This season has been fun and I'm looking forward to seeing this will go."



Adrian, Leo, Emily C. , Emily W., Isabel, Rebecca, Anna, Junah

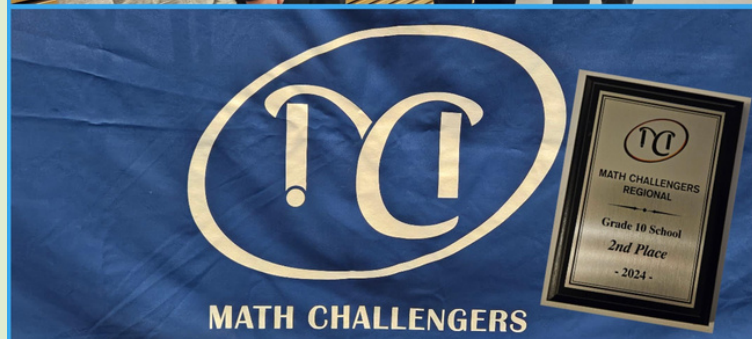
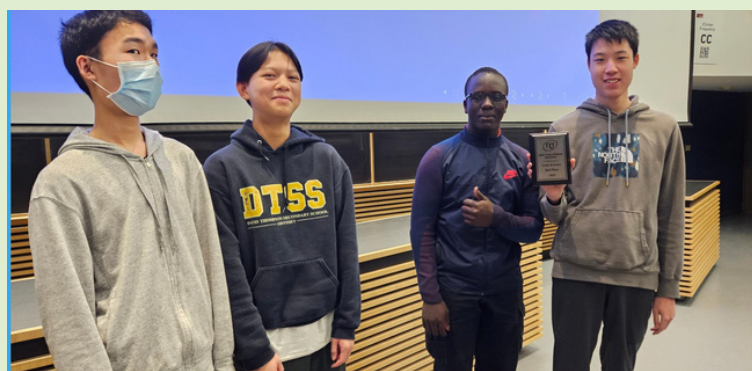
# MATH CHALLENGERS PROVINCIALS

On April 13, Mr. Chan , Mr. Duong , and Ms. Rieder were out at UBC for the Math Challenger Provincials. From the Regionals at SFU back in March, we were invited to bring one grade 10 and one grade 8 team to the Provincials Our teams didn't place, but Jeffrey Chen finished 4th place overall among all grade 10's and finished 3rd place in the grade 10 Face-off, which earned him a medal & \$150 cash prize! Dennis Wang finished 7th place overall among all the grade 8's and finished 6th place in the grade 8 Face-off, earning him a medal!



Math Challengers: Felix, Tim, Jeffrey, Isaac, Corvin, Tristan, Alice, Adhvik, Jason, Dennis

Congratulations to all students involved! Being part of Math Challengers gives students in grade 8 to 10 a chance to hone their math skills, broaden their math knowledge, compete with their peers from across the Lower Mainland (Regionals) and other parts of BC (Provincials). It is always an exciting time for all these Mathletes!!



# CANADIAN COMPUTING CHALLENGE

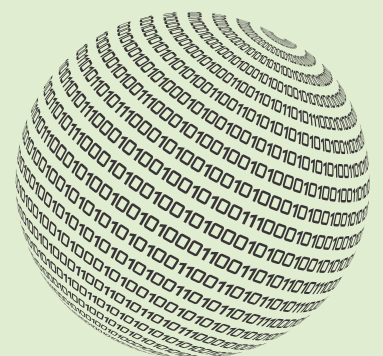
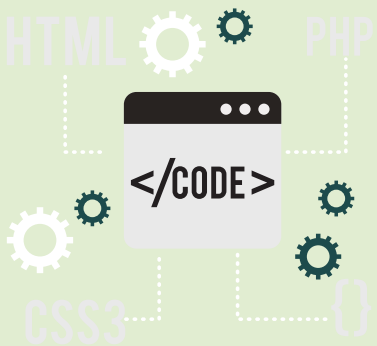


In February, Lexi Cruise, Adhvik Chakraborty, Pratyusha Chakraborty, Corvin Mak, Albert Mugusha, Jeffrey Chen, Austin Ng, and Nathan Yan wrote the University of Waterloo's Canadian Computing Challenge (<https://cemc.uwaterloo.ca/contests/ccco.html>). Students completed 5 questions over 3 hours. From the site:

The Junior competition begins with straightforward topics like basic loops and conditions and progresses to advanced material, like recursion, two-dimensional arrays and efficient or clever algorithms. The Senior competition increases in difficulty from basic algorithms to more advanced algorithms, like careful counting and some mathematical reasoning, with the final question typically involving material at the level of the International Olympiad in Informatics (IOI).

CCC participants may use C, C++, Python 2, Python 3, or Java.

Congratulations to Lexi, Adhvik, Jeffrey, Austin, and Nathan for receiving the Certificate of Distinction!







# *THANK YOU!*

*TO ALL OUR DT STUDENTS AND STAFF THAT  
CONTRIBUTED TO THIS NEWSLETTER!*

*MS. S. LEONG*

*MR. P. CHAN*

*PARI G.*

*GLORIA L.*

*MS. M. RIEDER*

*REBECCA L.*

*KARA W.*

*AIDEN L.*

*VIDUNI S.*

*PATRICK H.*

