

# ODYSSEY NEWSLETTER

WE ACKNOWLEDGE WE ARE HONOURED TO BE UNLEARNING AND RELEARNING ON THE UNCEDED AND TRADITIONAL TERRITORIES OF THE XWMƏΘKWƏYƏ M (MUSQUEAM), SKWŪWÚ7MESH (SQUAMISH), AND SEL' ÍLWITULH (TSLEIL-WAUTUTH), NATIONS



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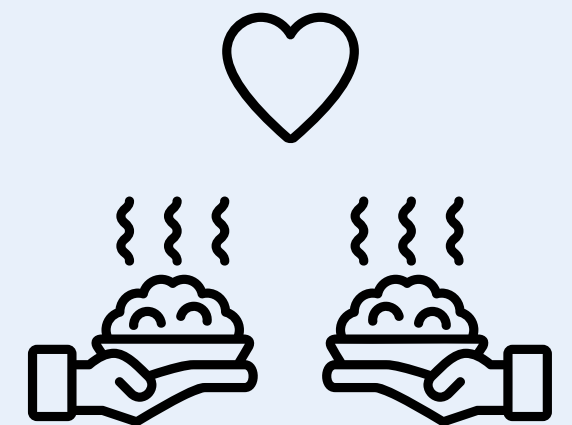
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## DT Odyssey Potluck

By: S. Leong



Spring has sprung and it is time again to bring back the DT Odyssey Potluck. We are excited to bring Odyssey students and families to eat and mingle on **Wednesday, May 24th, 2023, from 5:30 PM to 7:30 PM, in the school cafeteria.**

We would like to extend a warm welcome to the incoming grade 8 class that will be joining us next year. We plan to eat, laugh, share experiences, and get to meet new people!

Please RSVP with this link and share with us what dish you would like to bring:  
**<https://forms.office.com/r/yqh0epgMMD>**.

# Math Challengers

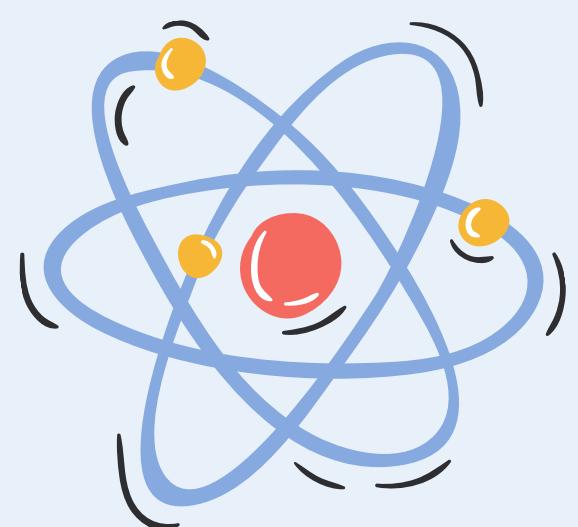
By: R. Rieder and P. Chan

Our Grade 8-10 Math Challengers teams did amazingly well in the regional tournament at UBC on February 2023. The grade 9 and 10 teams were invited to participate in the provincial Math Challengers competition at SFU in March. Austin Ng and Colin Wang (grade 10) finished first and third place respectively. This earned them an opportunity to compete in the Face Off competition, where Austin won first place.

Grade 9 student Jeffrey Chen finished second overall and second in Face Off. Jeffrey was also recognized as the top grade 9 student during the February regional competition. The grade 10 team placed second in the province, missing first place by half a point! The grade 9 team included: Jeffrey C., Nickie M, Zuzanna K., Timothy T., Aiden L., Felice G. and Pratyusha C.. The grade 10 consisted of Austin N., Colin W., Cody C., Nathan Y., and Nathan N..

Thank you to Ms. Rieder for sponsoring the Math Challengers Club and to Nevin Tsui and Austin Ng for coaching! Well done everyone!





# Science Fair 2023



Congratulations to all the GVRSF 2023 DT participants and award winners for their amazing achievements! Our DT's Justin Du and Justin Peng have been invited to the Canada Wide Science Fair (CWSF) representing BC. Tara Zhan has been invited to the International Science and Engineering Fair (ISEF) representing Canada. A big shout out to all our award winners that have received a medal and special awards for their projects. All the participants did an amazing job showcasing their work. Cheers to all!

View the GVRSF awards list for all the details of the award recipients and their prizes on the following pages and on the DT Odyssey website. We are so proud of all our students as they have all showcased their passion in science!

Stay tuned for more science fair news coming from CWSF and ISEF in late May!



# The DT Science Community Impact Award

DT had amazing results at the science fair this year and DT is excited to reward them with the DT Science Community Impact Award sponsored by Dr. J. McEwen. The award recipients are:

Justin Du	Lucie Li	Neha Verma	Taohui Tutian
Stephanie Tamkee	Terrance Wen	Zuzanna Klimkowska	Kaitlyn Poon
Selena Du	Kevin Ma	Nickie Mak	
Patrick Huynh	Justin Peng	Rebecca Louie	
Edwin Lui	Tara Zhan	Benjamin Lee	
Pari Goyal	Dewey Liang	Angela Wang	

This award is given to students that have met the following criteria:

- demonstrated a journey of discovery and curiosity throughout the project
- developed an experimental apparatus and/or procedure which produced data to prove/disprove a hypothesis or questions and a conclusion is apparent
- demonstrated good use of the scientific method
- in-depth background research was apparent
- the project showed a positive impact on the community
- showed passion about science and continues to participate in the scientific community



# Greater Vancouver Regional Science Fair

*By: Ms. Leong*



### Justin Du

*intersect: Aggregated Note Summarization by Machine Learning*



Invited to the Canada Wide Science Fair  
 Gold Medal  
 VSB Science Fair Award  
 UBC Science Entrance Award for Mathematical Sciences  
 John O-Connor Award



### Tara Zhan

*Design of a Low-Cost and Backdriveable Lower Limb Exoskeleton Hemiplegic*

Invited to the International Science and Engineering Fair  
 Gold Medal  
 BC Game Developers Innovation Award  
 Engineers and Geoscientist BC Award (Intermediate Division)  
 UBC Engineering Physics Award

### Justin Peng

*Atmos: A Neural Edge-Cloud Visual to Auditory Spatial Augmentation Device for the Visually Impaired*



Invited to the Canada Wide Science Fair  
 Gold Medal  
 SFU Science Faculty Award  
 GVRSF Student Choice Award



**Nickie Mak**  
*The GEL-tastic Fabric:  
Gree, Effective, Lax*

Gold Medal



**Pari Goyal & Lucie Li**  
*Raining Watts and Dogs*

Gold Medal  
SFU Award



**Taohui Tutian and  
Kaitlyn Poon**  
*A Handy Alternative*

Gold Medal



**Benjamin Lee**  
*AI-Powered Smart Plant  
Lighting*

Bronze Medal  
BC Greenhouse Grower's  
Association Award  
UBC Department of  
Computer Science Award



**Zuzanna Kilmkowska**  
*The Unbe-leaf-able  
Solution to  
Deforestation*

Julia Lane Award  
Verdi Sustainability  
Award



**Stephanie Tamkee &  
Selena Du**  
*An Earthquake-  
Detecting Electricity  
Shut-off Device*  
Honorable Mention  
Women in  
Engineering &  
Geoscience Award



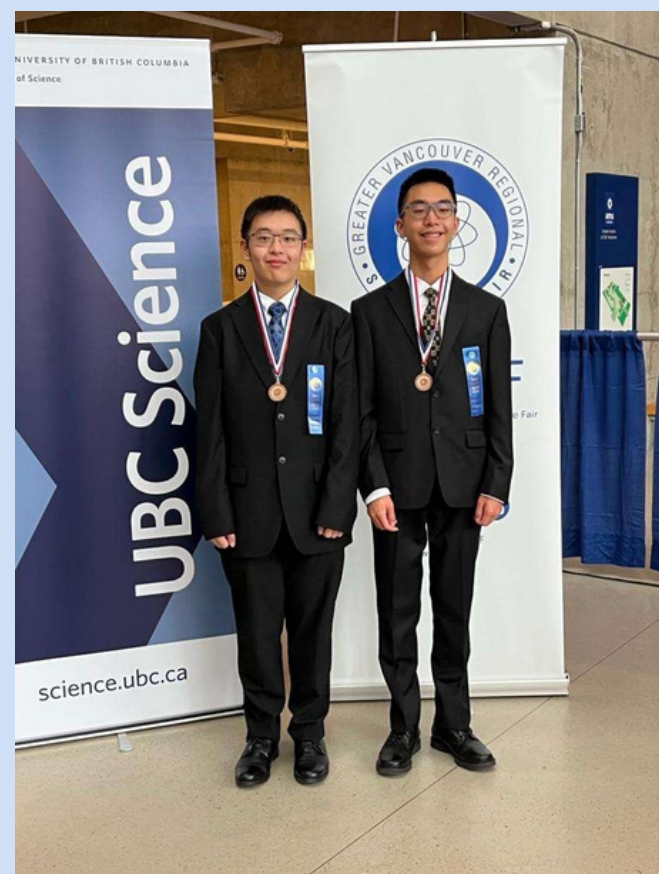
**Neha Verma**  
*The Veggie Paper Towels*  
Silver Medal



**Angela Wang**  
*A Biodegradable and Stain-Resistant Rubber Band for Braces*  
Silver Medal



**Dewey Liang**  
*Enhancing the Electrical Output and Efficiency of OSCs: Developing a Novel Adaptive Mesh with Optimal Thickness and Photon Absorbtion*  
Bronze Medal



**Patrick Huynh & Edwin Lui**  
*AI Powered IoT Parking Meter*  
Bronze Medal



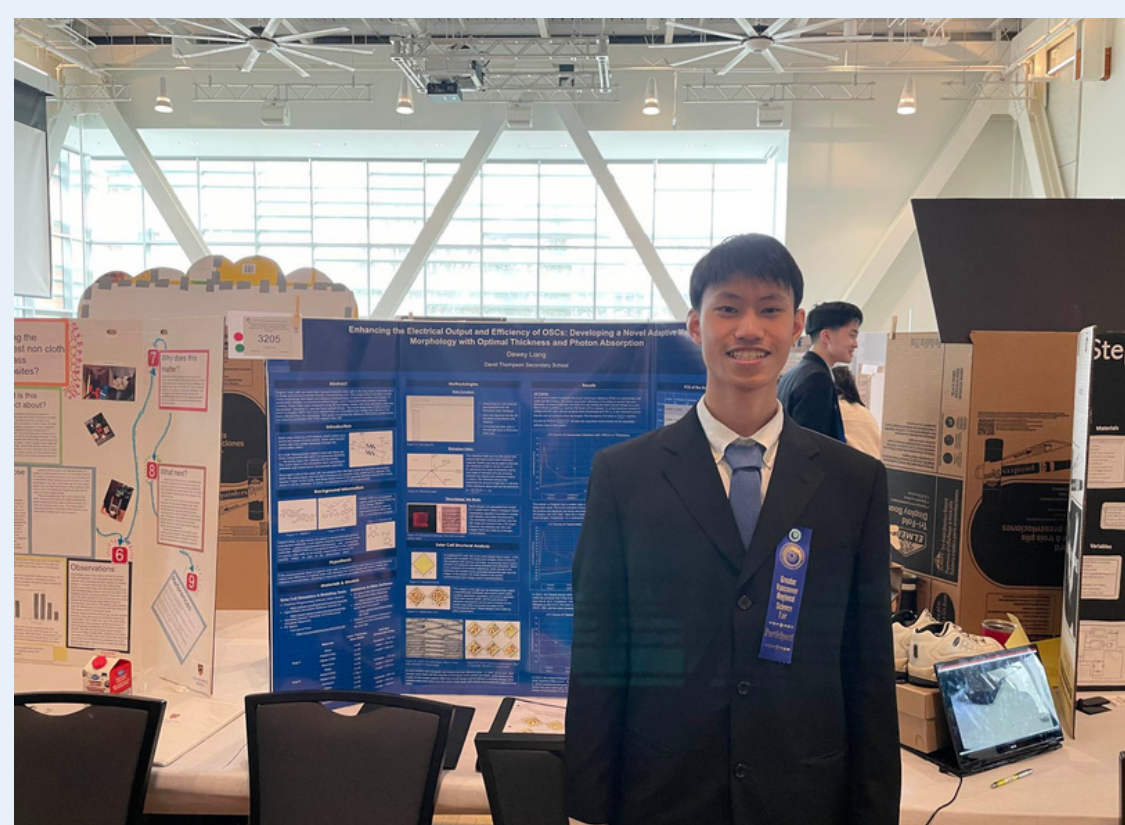
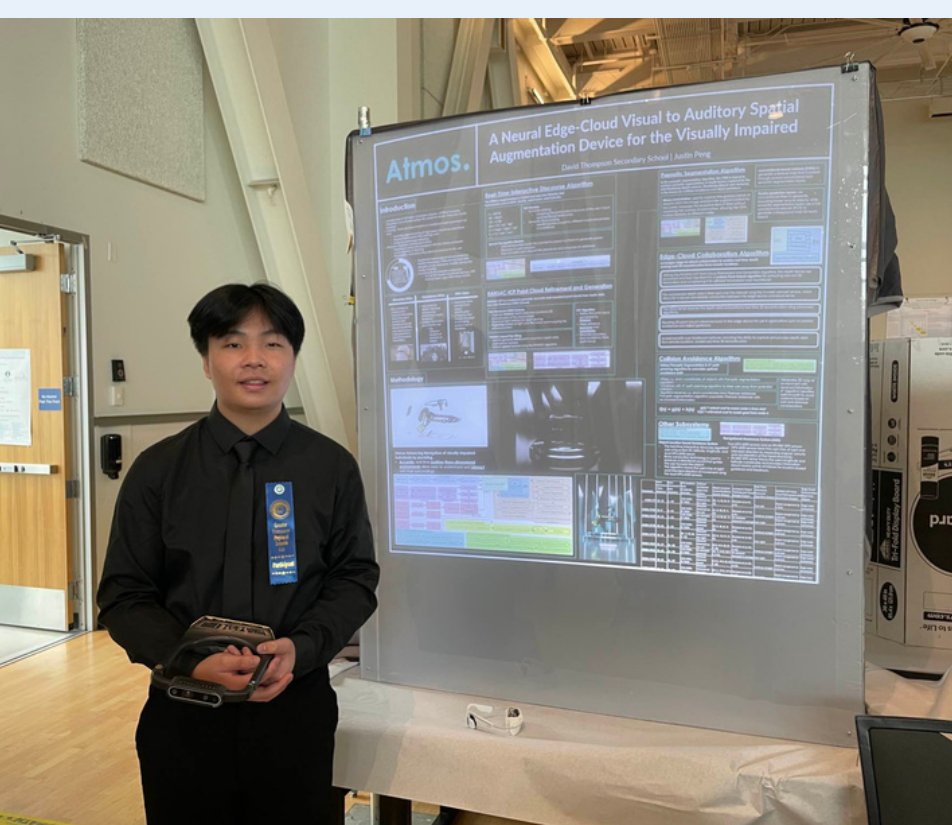
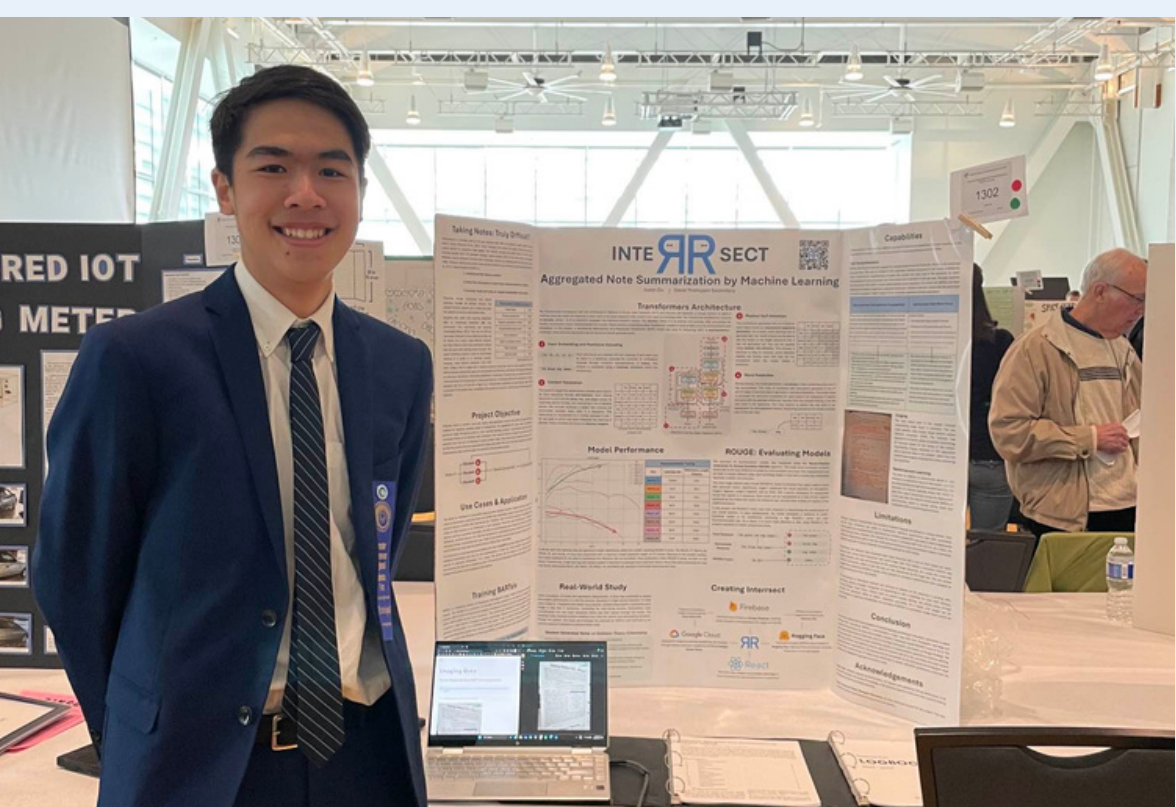
**Rebecca Louie**  
*Maximizing the Power of The Sun*  
Honourable Mention



**Terrance Wen & Kevin Ma**  
*What A Drag*  
UBC Engineering Physics Award



# GVRSF Moments





## Grade 8 Odyssey - Battle of Hastings LARP

*By: Mr. Stoelting*

Our class has been using experimental archeology to support and enhance student learning. Whenever possible, we try to learn about the past by interacting, re-creating, role-playing and living as if we were in history. The idea is to make historical inquiry come alive. We want to think about culture in historical context.

The latest activity in experimental archaeology was the Battle of Hastings LARP (Live Action Role Play). Students were given three lessons to research, design and construct medieval armour and weapons.



The students did a great job following the first three rules, I am happy to report. I learned, however, that the artistic process sometimes involves making a mess. After students designed their ware out of repurposed materials, we engaged in a simulated role play where students had the opportunity to be medieval knights. The LARP involved us dressing up and participating in a shared storytelling exercise following a script. As teacher, I was the narrator. As participants, some students had speaking roles, but all were involved. Students learned about the defensive features of the Saxon shield wall, the advantages of being a Norman mounted knight and the brutal aspects of hand-to-hand fighting. There were, again, three rules: have fun, be safe, and pay attention to the realities of being a combatant, and how it must've felt.

The event was a was lot of fun and I'm pleased to report the students were responsive and engaged. In May and June, students will be continuing on in their learning journey by role playing as Renaissance art masters, selling their masterpiece to the class in an art auction.

Check out some of the pictures!



# Thompson's Got Talent 2023!



Olivia Han (above) played the Moonlight Sonata 3rd Movement for the audience and won 2nd place! Olivia has been playing piano for 14 years.

*"It's been a long time since I performed in front of a big audience, and it was a really great experience for me."*



The talent show participants

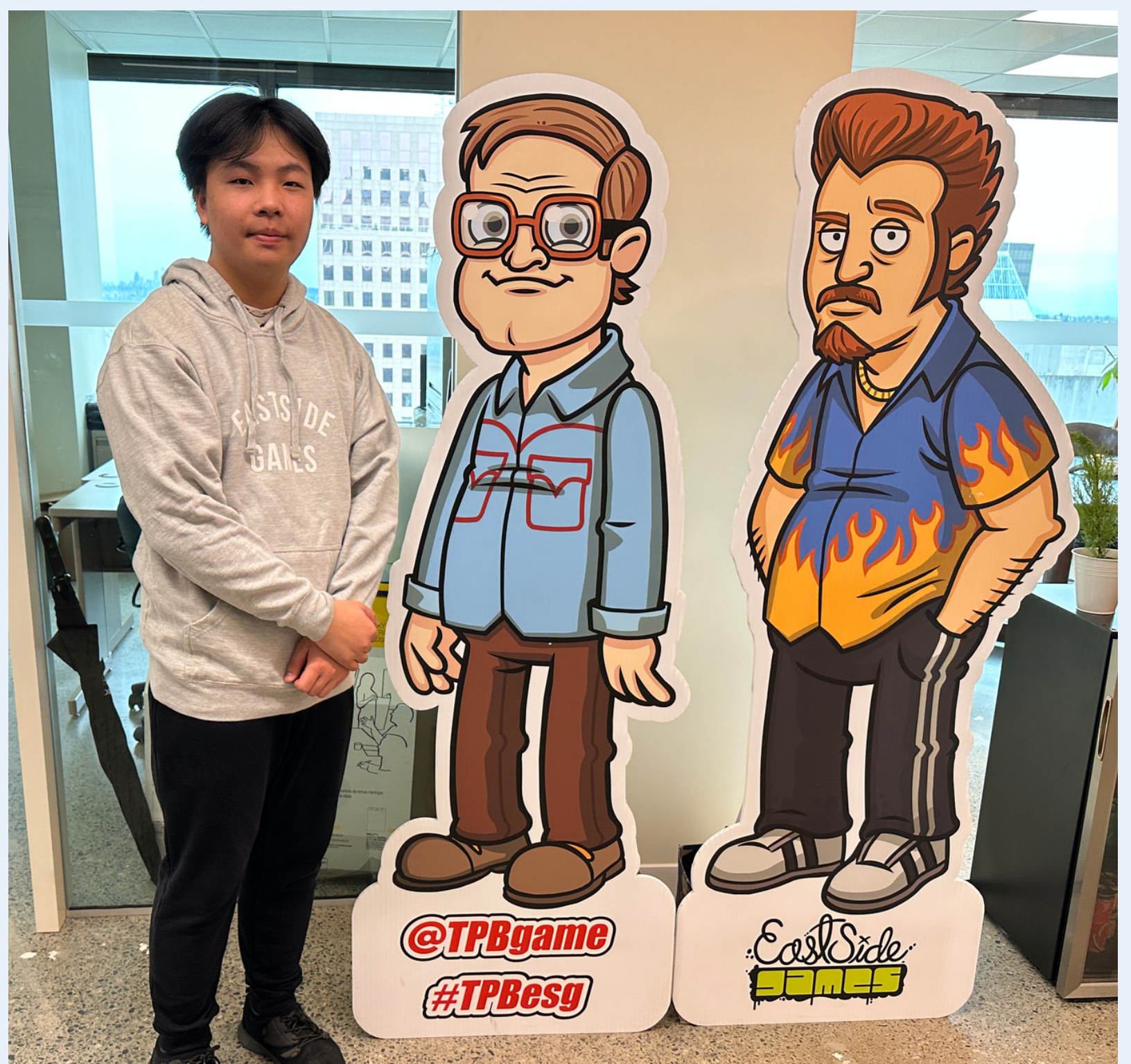
Photo credits to S. Barcelona & O. Han

# Student Highlights



Pari Goyal is a member of the Canadian National Senior Group in Rhythmic Gymnastics and competed at her first international competition, the World Challenge Cup in Romania (August 2022). This year she competed as an individual athlete and finished 8th all around at Elite Canada 2023. Currently Pari is preparing for the Canadian National Championships which will be held later this month in Toronto.

Thanks to East Side Games Studio for supporting Justin Peng with a powerful laptop! Justin will be advancing to the Canada Wide Science that will be held in Edmonton, Alberta this month. He has participated in science fair since grade 8. We look forward to his amazing work. Good luck at the nationals!



## Special Thanks to...

*all the students and staff members that submitted time and material to make this newsletter possible*