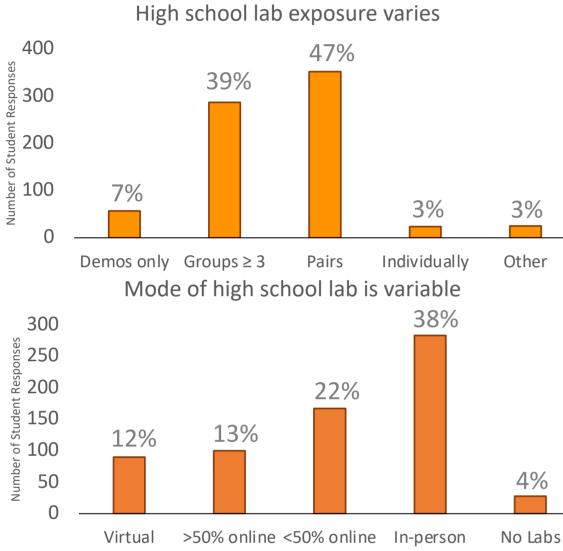
Enhancing equity in the first-year chemistry laboratory through a targeted pre-term laboratory foundations event (LFE)

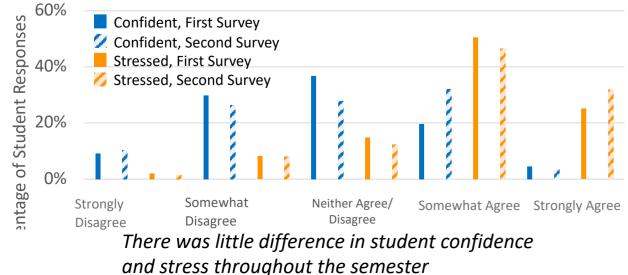
Anna Zeleny, Anne Thomas, Emma Davy (edavy@chem.ubc.ca), Anka Lekhi University of British Columbia - Vancouver, Department of Chemistry

THE CHALLENGE:



Inconsistencies between high school laboratory experience impact student stress in the lab

Students with minimal or no prior laboratory exposure generally feel stressed in the CHEM 121/111 lab



OUR SOLUTION: LFE for students with minimal or no prior lab exposure

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	Pre-semester introduction	Unassessed, less time pressure	Intro technio expe
	PROJECT GOALS	5	
	Enhance equity and inclusion for students with minimal lab experience	Decrease student stress and increase accessibility in the lab	Develop detern effi
 EVALUATING OUR SOLUTION 1. Pre-semester Survey Determine LFE participants Mid-Semester Survey Defining student stress and anxiety End of Semester Survey			Focus G Observ to infor
y Agree	 77% of survey respondents indicated an ungraded experience with lab equipment would be helpful 73% of respondents indicated a pre-semester introduction to the chemistry lab would be valuable 		





ro to lab niques, fun periment



UTA and GTA mentors with EDI training

op LFE and rmine its ficacy Ultimately, increase diversity and accessibility in the field of chemistry

Year 1: Consult/ Design Year 2: Pilot/Evaluate Year 3: Refine/Document

Group interviews and Laboratory vations are conducted each year ormally map student experience

AT'S NEXT?

2024 will mark the launch of the LFE pilot. The same three surveys will be collected to compare student experiences with and without the LFE. Prior to the LFE a training session will be held for all UTA and GTA mentors assisting in the pilot.