



UBC
VOLCAN

2022
SPONSORSHIP
PACKAGE



WHO WE ARE

UBC Volcan is a new materials engineering design team at the University of British Columbia. We are focused on learning the art and science of materials engineering by designing and hand-forging blades.

Our team specializes in materials testing and analysis, including thermodynamics, metallography, and destructive and nondestructive testing.



OUR MISSION

“UBC Volcan seeks to forge leading edge professionals by accentuating academic material through a practical environment.”



OUR SUBTEAMS

Blade

Our Blade subteam designs the aesthetic look of the product by drawing from historical references and adding ancestral touches wherever possible.

Forge

Our Forge subteam specializes in understanding the materials science behind bladesmithing, and applies that science to create a functional piece.

Marketing and Communications

Marketing and Communications is dedicated to building Volcan's image and brand through sponsor engagement and social media outreach.



THE 2022 AGENDA

This year, Volcan's members will immerse themselves in the craft by pursuing passion projects within small groups. This will allow the team to become more confident and adept for events in the coming years. It is also a safe, yet involved, way to work during the pandemic.

Project 1: Electrochemical Etching

This project incorporates electrochemistry or acid chemistry to modify a metal's surface finish, producing areas of contrast for specific shapes or logos.

Project 2: Nondestructive Testing

This uses various nondestructive evaluation techniques, including magnetic particle testing and ultrasonic testing, to better characterize the homogeneity and flaw dispersion in both the final product blade and as received material.



Project 3: Wood Hand Engraving

This project employs engraving techniques, such as wood burning and electric engraving, to produce beautiful designs for blade handles. Shell inlaying techniques, involving the cutting of stones or shells to fit into the wood, will also be explored.

Project 4: Colour Tempering

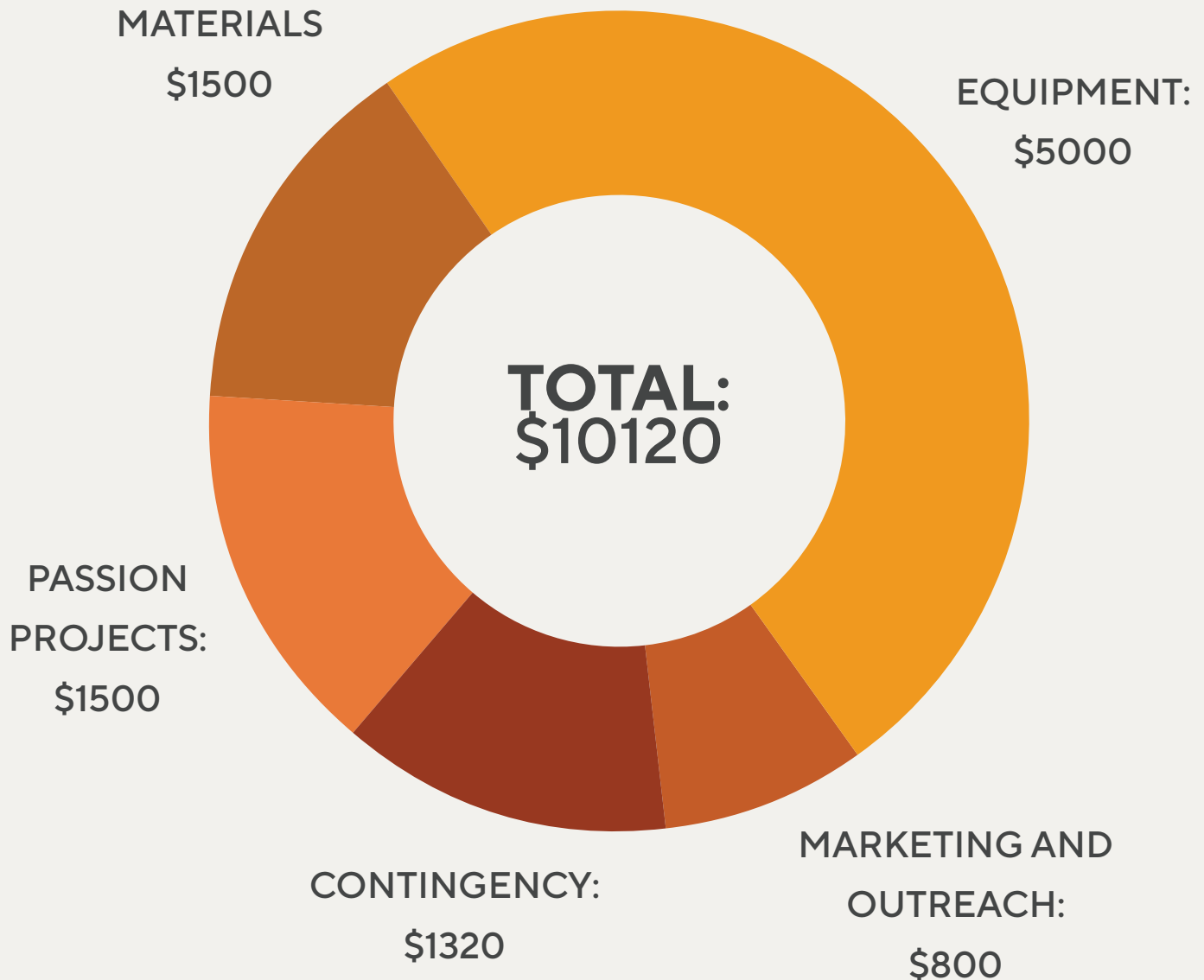
Colour tempering is a technique that exploits temperature-controlled iron oxidation on steel to produce a desired surface colour.

Project 5: Hamon Spine

This project will take advantage of ceramics to differentially quench steel, resulting in controlled differences in mechanical properties for each and every section of a blade.

OUR EXPENSES

A detailed breakdown is available upon request. Please contact us at ubcvolcan@gmail.com.



WHY SPONSOR US?

Our goal is to provide our team members with the best opportunities and experiences to further improve their learning and capabilities.

By providing financial support, you are not only supporting our work and progress, but you also get to lay your hands on some swag!

	<i>STEEL</i>	<i>BRONZE</i>	<i>SILVER</i>	<i>GOLD</i>
	< \$250	\$250+	\$1000+	\$2000+
Website & Team Apparel Recognition	Name, city, & country	3rd Tier on Sponsor Page & Small Logo	2nd Tier on Sponsor Page & Medium Logo	1st Tier on Sponsor Page & Large Logo
UBC Sponsor Appreciation Night Invitation		✓	✓	✓
Social Media Recognition			✓	✓
Custom Knife with Company Logo				✓

CONTACT US!

Have questions? Email us at ubcvolcan@gmail.com, or check out our website at ubcvolcan.com.



UBC Volcan



UBC Volcan



@ubcvolcan

