



February 1, 2019

# Iris Robotics 7173

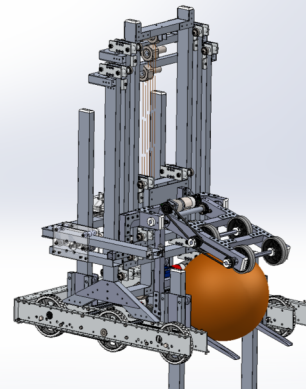
Garibaldi Secondary School



Founded in 2017 by grade 8-10 students at Garibaldi Secondary School, Iris Robotics is about working hard, developing new skills, and **pushing the boundaries of our imagination.**

Last year we qualified for the **World Championships** in Houston, Texas. Our experiences at Worlds strengthened the bonds between us, a group of diverse students, and our **love of discovery.**

This year's game is **Destination: Deep Space.** Our robot is on a distant planet; it has to repair our rocket ship and fill it with cargo before the next sandstorm. We have designed our robot on a computer (picture to the right), and now we are working on assembling it. The ball is cargo, and it must be lifted **6 feet in the air.** The back of the robot can lift the hatches just as high. The extra legs in the front and back can raise the robot onto a **19-inch-high platform.**



## New Experiences

### By Kudzzy

Each week we face many new experiences, because no matter how carefully you prepare, you're always going to have some unexpected things happen.

This week's New Experience™: Inventory. Making a list of all the parts available to us turned out to be much more of a challenge than previously anticipated. For example, many parts were left over from the previous year of the robotics club, meaning that they were out of their original packaging. This means that things such as tape had no measurements, and we had to measure them by hand without unrolling the whole spool. Despite this, we managed to measure, count, and sort just about everything except for the screws. The screws presented a special challenge in the fact they were A) totaling over 1 kilogram, B) of over 20 observed shapes, sizes, and compositions and C) mixed together in a bucket.



GE Landscaping is a welcome addition to our team, serving the Fraser Valley and Beyond



Left, a local tech design company, continues support this year at the Architect level

# Upcoming Events

February 13, 6-7pm

SD 42 Information Night  
Katzie Health and Community Centre

February 19

End of build season  
Our robot must be done

March 3

Barbecue Fundraiser  
Save-On-Foods, 227th

March 7-9

Pacific Regional Championship  
Victoria, BC

## Ask Arjun By Arjun

Q: I have a roughly 1.2kg bucket filled with assorted screws of various widths, lengths, types, metals, geological eras, threads, and I think some of them might actually be nails. I've been tasked with sorting all of them in at maximum, an hour. Some of the lengths are in linear yards, some of them are in inches, and some of them are in Planck lengths. Please help, the build team lead is coming soon.

A: **RUN!** But in all seriousness, if possible, try to do the smart thing and use the tools available to you. If the sorting is getting to you, don't be afraid to see if anyone's willing to help. Teamwork can make a mind-numbing task seem like nothing.

Q: A robotics club sounds interesting, but I'm worried if I were to join I wouldn't be any use.

A: It doesn't matter what you don't know, the club is the place to learn. Regardless of whether you're interested in engineering, programming, or anything else: the team is the perfect place to hone your skills and work with other like-minded students.

Q: But what about the bees?

A: Pardon?

Wanna be featured in the advice column?  
Submit your questions at [bit.do/askArjun](http://bit.do/askArjun) (casE sEnsITivE)

To become a sponsor, you can

email Mr Skartvedt at:  
[nskartvedt@sd42.ca](mailto:nskartvedt@sd42.ca)

Or go to our website:

[www.iris7173.com](http://www.iris7173.com)

# FINGER FOOD

Finger Food Studios has donated enough to start a Lego League at an elementary school and sent professional mentors to our school to help the team.

## Nuts and Bolts

Mixed Nuts

By Joel

S	A	D	B	W	A	N

T	H	E	A	C	T	R

S	H	I	S	C	A	S

## The Adventures of Joel, an alien By Cadin



Joel is an alien on the robotics team. Joel is very smart, but quiet, and is sometimes under-estimated. The robotics team is a place Joel feels at home. Joel learned a lot about the human race through the cooking channel.