



INFINITE RECHARGESM

FIRST[™]
ROBOTICS
COMPETITION

2021 VIRTUAL KIT CATALOG



POWERED BY
**STAR
WARS[™]**
FORCE FOR CHANGE

WELCOME

TO THE 2021 *FIRST*® ROBOTICS COMPETITION SEASON

This Voucher Catalog is a reference for your team. Inside, you'll find additional items and value available to your team via the Kit of Parts system. Each page represents a specific voucher and its particular instructions and details. Don't miss out on any of these opportunities.

Questions about the Kit of Parts can be sent to:
frcparts@firstinspires.org

More information about the Kit of Parts can be found at our website:
<https://www.firstinspires.org/robotics/frc/kit-of-parts>

We are extremely grateful for the generosity and support that our *FIRST*® Suppliers provide!



VOUCHER CHECKLIST

Supplier	Redeemed
Adobe	<input type="checkbox"/>
Altium	<input type="checkbox"/>
Amazon Web Services	<input type="checkbox"/>
Armabot	<input type="checkbox"/>
Autodesk	<input type="checkbox"/>
Automation Direct	<input type="checkbox"/>
Clippard	<input type="checkbox"/>
Digi-Key Electronics	<input type="checkbox"/>
DriveWorks Ltd	<input type="checkbox"/>
Mastercam	<input type="checkbox"/>
MathWorks	<input type="checkbox"/>
Next Gen Robots	<input type="checkbox"/>
NI	<input type="checkbox"/>

Supplier	Redeemed
Onshape	<input type="checkbox"/>
PTC	<input type="checkbox"/>
REV Robotics	<input type="checkbox"/>
RoboPromo	<input type="checkbox"/>
Siemens	<input type="checkbox"/>
SolidProfessor	<input type="checkbox"/>
SOLIDWORKS	<input type="checkbox"/>
Swyft Robotics	<input type="checkbox"/>
Tableau	<input type="checkbox"/>
TE Connectivity	<input type="checkbox"/>
Upverter	<input type="checkbox"/>
Vulcan Spring	<input type="checkbox"/>
Wolfram	<input type="checkbox"/>





Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code(s)

Website

Adobe

One Adobe Creative Cloud Membership

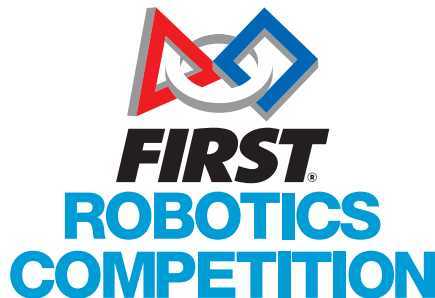
11/19/21

Included

Visit Team Registration Account

(Lead Mentor 1 or 2)

<https://www.adobe.com/education>



Instructions:

- 1 Lead Mentor designates one “Adobe Creative Cloud” Mentor in TIMS.
- 2 Designated Mentor accepts the nomination.
- 3 Adobe provisions Creative Cloud All Apps (Education version) to the designated Mentor’s AdobeID.
- 4 Create!

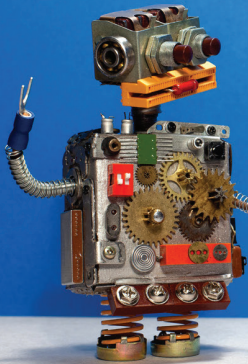
Note: If you receive other Adobe software from your school or work, you may need to choose “Personal account” when logging in to Creative Cloud.



Adobe Creative Cloud

Imagine what your team can do with Adobe Creative Cloud

Designate an
Adobe Creative Cloud
Mentor in your team's
FIRST® account to...



- ▶ Create stunning images with *Adobe Photoshop!*
- ▶ Design amazing team graphics with *Adobe Illustrator!*
- ▶ Tell your team story with *Adobe Spark!*
- ▶ Make a Chairman's Video with *Adobe Premiere Rush!*
- ▶ Code a web site with *Adobe Dreamweaver!*
- ▶ Publish a Judge's Packet with *Adobe InDesign!*
- ▶ Amp up your Safety Animation with *Adobe Character Animator!*

Altium®

Organization Name

Altium

Voucher Detail

One-year Altium Designer
student license

Expiration Date

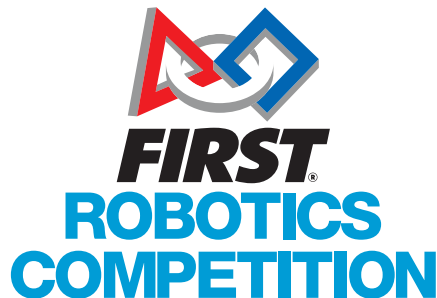
12/31/2021

Access Code(s)

N/A

Website

www.altium.com/frc



Altium is excited to support *FIRST*®, committed to providing every designer and engineer with tools to enable you to turn your ideas into products in the easiest and most productive way.

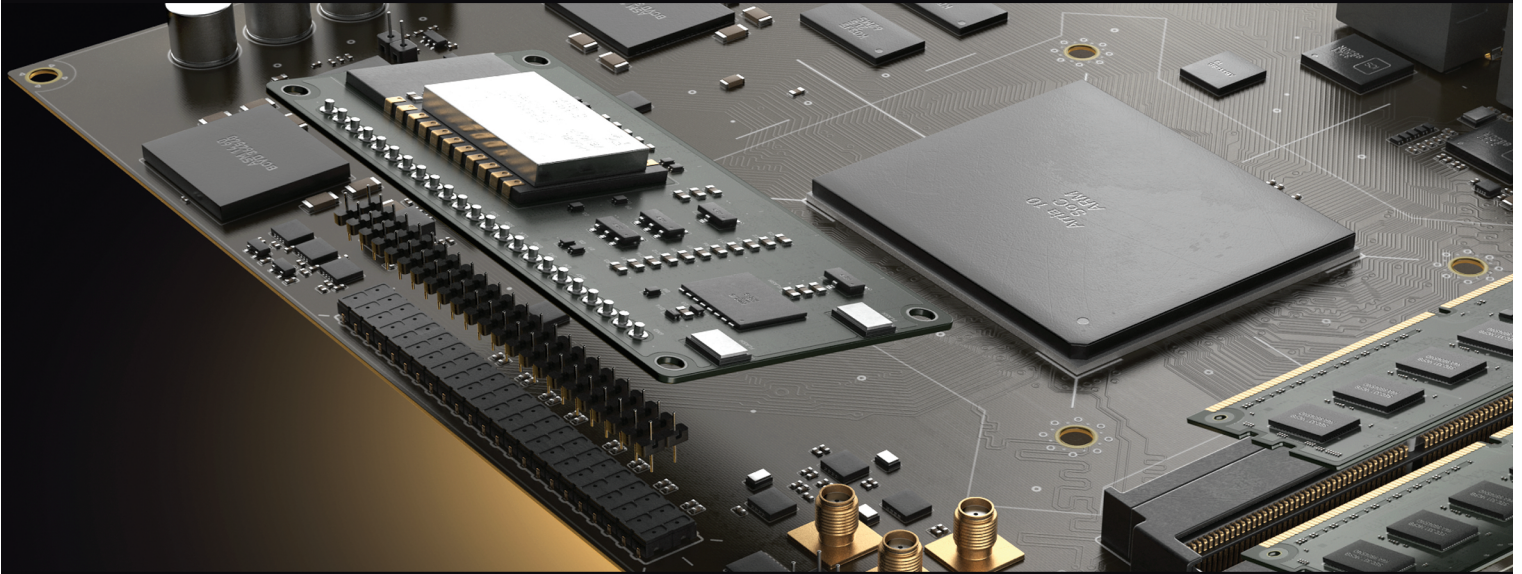
- Altium Designer consists of all the tools required to produce a PCB from concept to manufacturing.
- A PCB development platform supplying both the electrical and mechanical view.
- Integrated access to over a hundred suppliers makes it easy to select the best parts for your design.

To access one-year student license, fill out the form www.altium.com/frc

Special Instructions: One to five student licenses to be shared per high school team

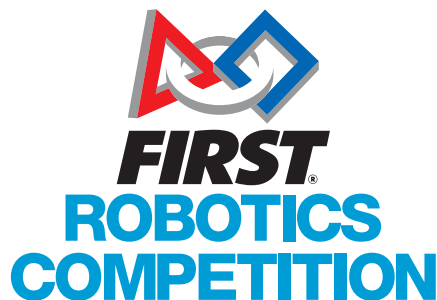
Altium®

Proud to support *FIRST*®
POWERFUL TOOLS FOR NEXT GENERATION ELECTRONIC DESIGN



USE ALTIUM DESIGNER FOR FREE NOW!

www.altium.com/frc



Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code(s)

Website

Amazon Web Services

**\$100 in AWS Promotional Credits,
AWS Educate Learning Content**

12/31/2021

Included

Visit Team Registration Account

(Lead Mentor 1 or 2)

<https://aws.amazon.com/education/awseducate/contact-us/>

Cloud computing is the fastest growing computing career field – enhance your FIRST® experience by learning these in-demand skills with AWS Educate!

AWS Educate is Amazon's global initiative to provide educators and students resources for building skills in cloud technology at no-cost. With a focus on real-world, applied learning experiences, AWS Educate offers students and educators access to self-paced content that introduces cloud computing and lets them build on real-world technologies such as artificial intelligence, gaming, IoT, and more.

Upon enrollment as a student, you will receive \$100 in AWS Promotional Credits to use in the AWS Console or your AWS Educate Starter Account. You will also have access to:

- AWS Educate's cloud career pathways, with 30+ hours of content, assessments, and projects personalized to your chosen cloud career path, like Solutions Architect, Data Scientist, and Software Developer.
- Specialty Badges in specializations like AWS RoboMaker, Amazon Alexa, AWS for Gaming and more.
- Access to a Machine Learning Classroom where you can learn how to use Amazon SageMaker.
- Access to micro-credentials as AWS Educate Certificates of Completion and AWS Educate Badges
- Access to AWS Technical Essentials online training course
- Access to AWS Educate Job Board with jobs and internships from Amazon and our partner companies (for students 18+)

When applying, please use the *FIRST* Onboarding Guides and be sure to select "*FIRST*" as your institution.

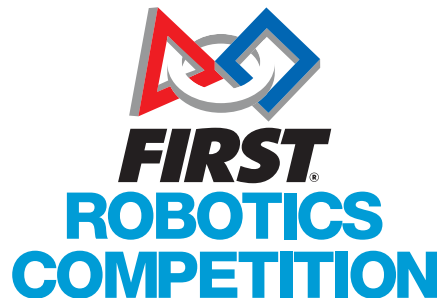
We encourage mentors to register first and then invite their students via the AWS Educate Classroom.

The application review process can take up to 48 hours, so make sure you register ahead of time. Need help? Contact AWS Educate Support. (link: <https://aws.amazon.com/education/awseducate/contact-us/>)



www.awseducate.com

ARMABOT



Organization Name

Armabot

Voucher Value

One (1) RS7 encoder

Expiration Date

04/30/2021

Shipping

Team Responsibility

Access Code(s)

Visit Team Registration Account

(Lead Mentor 1 or 2)

Website

www.armabot.com

1. Go to www.armabot.com
2. Select 1 or more RS7 encoders (first unit free with this voucher)
3. Enter your valid code from the *FIRST*® Team Registration System
4. Enter shipping and billing information
5. Place order and wait for arrival (3-5 days in continental USA)
6. Installation instructions at www.armabot.com
7. Technology tutorial for encoder implementation at www.armabot.com

Valid for purchase of one RS7 encoder individually or a multiple product order that includes one RS7 encoder. Limit one per *FIRST*® Robotics Competition Team. Must be registered for the 2021 robotics season. Voucher not transferable to other people or teams.

QUICK INTEGRATION

Technology Tutorial

CAN bus PID tuning via Talon SRX controller.

EASY INSTALL

Worm-Drive Clamp

Secure and simple attachment.

COOL RUNNING

Vented Design

Doesn't interfere with motor air flow.

STRAIN RELIEF

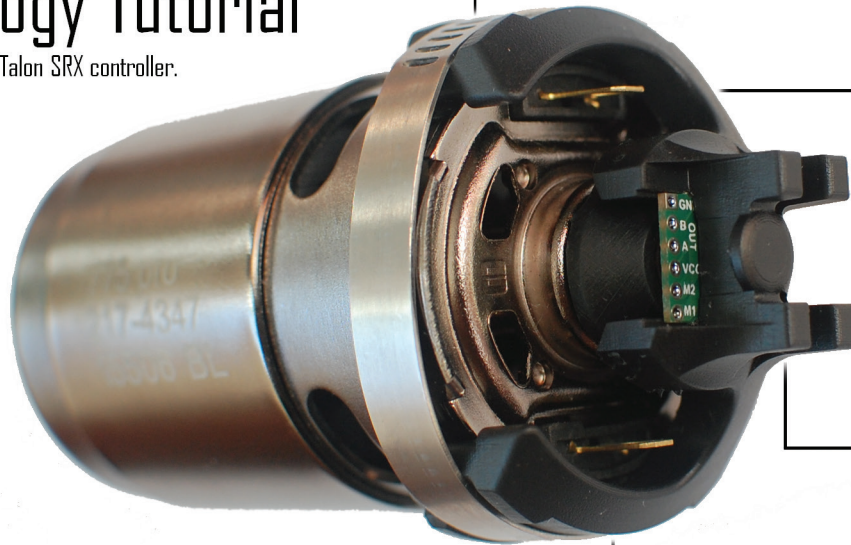
Secure Wiring

Integrated feature for cable tie.

CUSTOM DESIGNED MOUNT

775pro Motor Encoder

Successful use at 2016 & 2017 Championships.





Organization Name

Voucher Detail

Website

Autodesk

3D Design Software Access

www.autodesk.com/first

www.autodesk.com/first Your destination for robotics CAD datasets, robotics simulation, robotics design tutorials, and access to Autodesk software.

Autodesk Fusion 360 – This 3D CAD/CAM tool for PC and Mac enables robot designs, assemblies, photorealistic renderings, fabrication, and team collaboration.

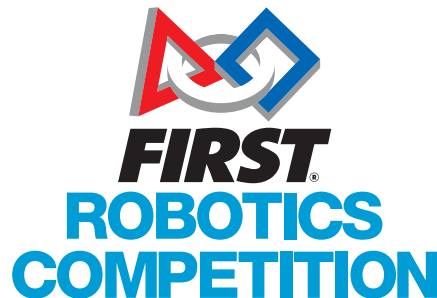
Autodesk Inventor – With this professional software, teams can produce 3D models that help with the design and visualization of the robot.

Synthesis: An Autodesk Technology – Test your CAD designs for driver practice, robot code emulation, strategy, and more with this robotics simulator.

Autodesk EAGLE – Bring your next spark of an idea to life with powerful PCB design software made for every engineer.

Autodesk Tinkercad – Use Tinkercad Circuits environment to program and simulate an Arduino board for use on your robot.

Autodesk 3ds Max – With modeling, rendering, and animation capabilities, 3ds Max is an ideal solution for the VRC Game Design Animation Challenge.



MAKE

SMARTER DESIGNS

Autodesk is excited to provide open access to our design software, digital fields, and robot part models.

Put your designs to work with our competition simulation software—created specifically for *FIRST*® teams—and get the robot you want on the field faster.

Get started at
www.autodesk.com/first





Organization Name

Voucher Description

Expiration Date

Shipping

Access Code(s)

More Info

Automation Direct

\$35.00

08/31/2021

Team Responsibility (see below for details)

Visit Team Registration Account

(Lead Mentor 1 or 2)

www.AutomationDirect.com

Use your \$35 voucher toward any items available at www.AutomationDirect.com

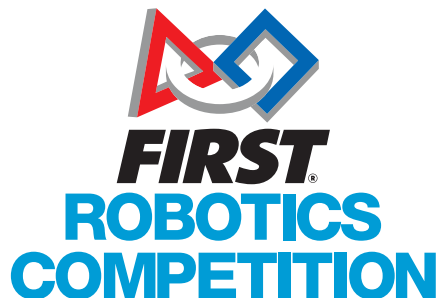
IMPORTANT INSTRUCTIONS - We cannot apply the discount AFTER you place an order!

1. Obtain your voucher code at the Mentor Dashboard at www.firstinspires.org
2. Login, OR create a New Account here: www.automationdirect.com/new-user
3. Then visit www.automationdirect.com/Voucher to enter the voucher code. This will enable a one-time \$35 credit for your account.

Some Restrictions Apply:

1. Orders **must** be placed online. No 'call-in' orders. Stock items ordered by 6:00pm EST will ship the same day.
2. Orders **must** ship to a US or Canadian address. Credit card billing address must also be US or Canadian.
3. The voucher cannot be used towards shipping fees. Orders under \$49 are shipped via 2-day service to US addresses for a flat rate of \$10 (a credit card will be required to pay for shipping). Orders to Canada will incur brokerage fees. Larger orders may qualify for FREE two-day shipping see web site for details: <https://www.automationdirect.com/static/specs/adpolicy.pdf>

This voucher cannot be used to pay sales tax. A credit card (or PayPal) will be required to pay any applicable taxes. If your team/organization is tax exempt, you can submit appropriate documentation online during checkout.



These items are popular with *FIRST* teams:

Miniature Pneumatic Devices



go2adc.com/fittings

Pneumatic Cylinders



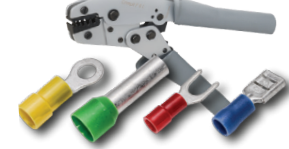
go2adc.com/cylinders

Belts & Pulleys



go2adc.com/tbp

Ferrules, Terminals, and Crimp Tools



go2adc.com/zfwire

Push connect fittings



go2adc.com/ptcfittings

Ethernet Cables
(and crossover!)



go2adc.com/cat5e

Wire Ties



go2adc.com/sapiselco

Sensors and Encoders



go2adc.com/sensenco



AUTOMATIONDIRECT.com

1-800-633-0405 | www.AutomationDirect.com

Clippard

Organization Name

Clippard

Voucher Value

\$20.00

Offer Expires

12/31/2021

Shipping

Not Included

Access code

FIRST2021

Website

clippard.com

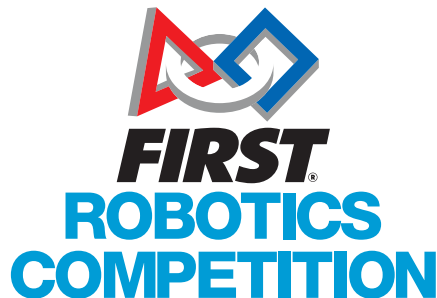
Congratulations on the many successes you have achieved to earn your team a position in the 2021 *FIRST*® Robotics Competition!

As long-time supporters of the *FIRST*® organization, and the new generation of pneumatic enthusiasts, Clippard is happy to provide you with a complimentary **AIR VOLUME TANK (#AVT-PP-35)** found in your kit of parts.

In addition, we are proud to provide you with an additional **\$20.00 of FREE Clippard products** for your design needs. Simply visit clippard.com to select your products, and use the promotional code above at check out.

PLEASE NOTE: You must create an account AND be logged in for the voucher to be validated.

If you need technical assistance, don't hesitate to contact us at 1-877-245-6247.





Clippard

*Air Cylinders • Pressure Controls • Directional Control Valves
Electronic Valves • Control Valves • Isolation Valves • Pinch Valves
Manual Valves • Fittings • Air Preparation Equipment
Tubing • Custom Valves & Assemblies*

**PRECISION FLOW CONTROL
PRODUCTS & SOLUTIONS**

www.clippard.com



Organization Name

Digi-Key Electronics

Voucher Value

\$50

Expiration Date

09/30/2021

Shipping

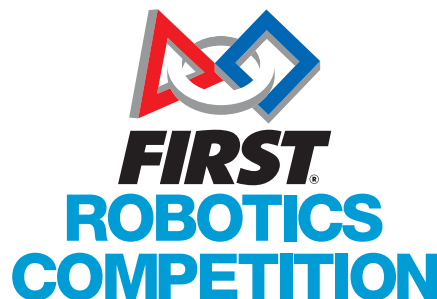
Included

Access Code(s)

See Team Registration System

Website

www.digikey.com



Digi-Key is proud to provide you with \$50 of components.

- Visit DIGIKEY.COM/FIRST to redeem your team's voucher.
- The \$50 voucher will not display on the total of your order, but will be subtracted from your order during processing.
- This Product Donation Voucher valued at \$50 is good for the purchase of components only at www.digikey.com

Taxes not included. This voucher is good for a one time use. Any amount not utilized in your initial transaction will be forfeited.

\$50

VOUCHER & **FREE!** SHIPPING!

Digi-Key has the product portfolio, service, tools, resources, and know-how to support students, coaches, and mentors on *FIRST*® teams.



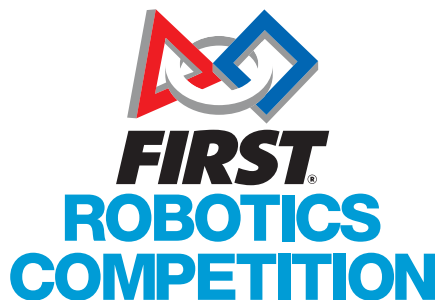
See products popular with *FIRST*® teams, access resources such as TechForum, and redeem your product voucher at:

DIGIKEY.COM/FIRST

**REDEEM YOUR VOUCHER
IN 3 EASY STEPS!**

- Visit digikey.com/first
- Enter your team information
- Shop at digikey.com





Organization Name

DriveWorks Ltd.

Voucher Value

(1) 1 year license of DriveWorks Solo Design Automation Software

Expiration Date

12/31/2021

Shipping

Included

Access Code(s)

Visit Team Registration Account

(Lead Mentor 1 or 2)

Website

<https://www.driveworks.co.uk/education/first/>

FIRST® teams can request a license of DriveWorks Solo Design Automation Software for a period of one (1) year.

DriveWorks Solo allows engineers and students to quickly and easily create and configure variations of your SOLIDWORKS models directly inside of SOLIDWORKS.

DriveWorks Solo is a powerful SOLIDWORKS Automation Tool. It allows teams to automate their SOLIDWORKS parts, assemblies and detailed drawings.

- Control Dimensions, features, custom properties, advanced feature parameters, instances and file formats.
- Dynamically replace components.
- Create a library of components using intelligent file reuse.

How does our FIRST® Robotics Competition Team request a license of DriveWorks Solo?

Please visit <https://www.driveworks.co.uk/education/first/> to submit your request for a license of DriveWorks Solo.

Once on the website, you will be asked to complete and submit a "Request a License" form. Upon completion of this form, we will review for completion, process and once approved you will receive detailed instructions on how to download and install the software.

Valid for one (1) license of DriveWorks Solo requested by the Team Leader. License includes access to FREE online learning resources which include DriveWorks Solo Online Training webinars, How to Videos, Help Files and other learning resources. Product support and assistance provided to Team Leader by DriveWorks Ltd. via email to first@driveworks.co.uk. Must be registered for the 2021 Robotics Season. License is non-transferable to another team.

Questions? Contact us at first@driveworks.co.uk



DriveWorks
Configure & Automate



Powerful Design Automation for **SOLIDWORKS®**

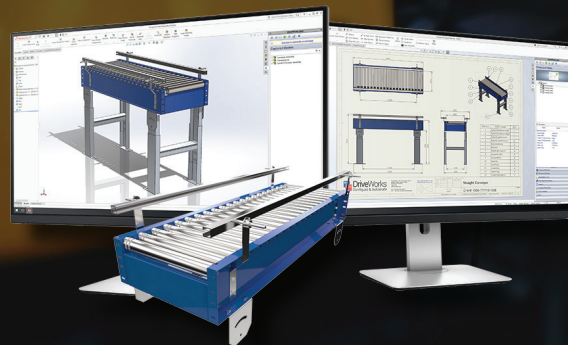
FIRST® Robotics Competition Teams can get a
free 12 month license of DriveWorks Solo

Automate repetitive SOLIDWORKS tasks & free up
students & mentors to focus on quality robot design.



Follow us on Instagram @driveworksconfigurator

www.driveworks.co.uk/education/first





Organization Name

Voucher Value

Expiration Date

Shipping

Access Code(s)

Website

Mastercam

Educational Suite

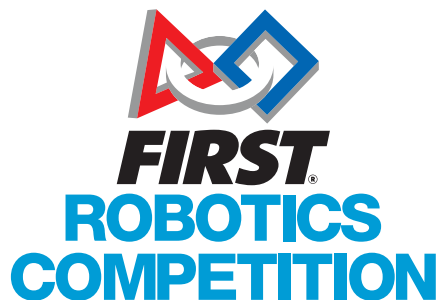
10/31/2021

Included

Visit Team Registration Account

(Lead Mentor 1 or 2)

www.mastercam.com/community/competitions/first-robotics/



The Mastercam voucher represents one free license of the Mastercam 2021 Educational Suite. The Mastercam 2021 Educational Suite includes your choice of Mastercam or Mastercam for SOLIDWORKS. Mastercam is a CAD/CAM software that can be used to both design products and program the processes to manufacture parts, specifically on CNC machines. Mastercam generates toolpaths that drive machine tools to turn designs into physical parts.

Please go to www.mastercam.com/community/competitions/first-robotics/

Please fill out the required information on the registration page. Once we receive your request, an email will be sent with your activation code and instructions on downloading Mastercam.



1257 Y.628 Z-5.1475 A-48.0715 B
.803 Y.6251 Z-5.1103 A-48.5782
1348 Y.6222 Z-5.0731 A-49.0828
192 Y.6193 Z-5.0358 A-49.5848 B
135 Y.6165 Z-4.9985 A-50.0835 B
177 Y.6138 Z-4.9611 A-50.5784 B
118 Y.611 Z-4.9236 A-51.0688 B
159 Y.6084 Z-4.8861 A-51.5539 B28.4544 F686.13
199 Y.6058 Z-4.8486 A-52.0331 B27.3917 F710.23
.38 Y.6033 Z-4.811 A-52.5057 B26.2988 F734.35
14 Y.6008 Z-4.7733 A-52.9708 B25.1754 F758.19
16 Y.5984 Z-4.7356 A-53.4276 B24.0211 F781.51
19 Y.5961 Z-4.6978 A-53.8755 B22.8641 F804.19
.3 Y.5939 Z-4.66 A-54.3136 B21.7177 F829.75
7 Y.5917 Z-4.622 A-54.741 B20.5864 F854.35
11 Y.5896 Z-4.5841 A-55.157 F879.24
.06 Y.5876 Z-4.5461 A-55.5658 F904.19
172 Y.5857 Z-4.508 A-55.9513 B16.4387 F930.67
137 Y.5839 Z-4.4698 A-56.3279 B15.0668 F954.35
103 Y.5821 Z-4.4316 A-56.6998 B13.6653 F979.24
17 Y.5805 Z-4.3933 A-57.0709 B12.3363 F1004.19
136 Y.5789 Z-4.355 A-57.4436 B11.0668 F1029.75
103 Y.5775 Z-4.3166 A-57.8169 B10.0000 F1054.35
108 Y.5761 Z-4.2781 A-58.1902 B9.0000 F1079.24
106 Y.5738 Z-4.2396 A-58.5635 B8.0000 F1104.19
N29 X-.3059 Y.6084 Z-4.8861 A-51.5539 B28.4544 F686.13
N30 X-.1599 Y.6058 Z-4.8486 A-52.0331 B27.3917 F710.23
N31 X-.0138 Y.6033 Z-4.811 A-52.5057 B26.2988 F734.35
N32 X.1324 Y.6008 Z-4.7733 A-52.9708 B25.1754 F758.19
N33 X.2786 Y.5984 Z-4.7356 A-53.4276 B24.0211 F781.51
N34 X.4249 Y.5961 Z-4.6978 A-53.8755 B22.8641 F804.19
N35 X.5713 Y.5939 Z-4.66 A-54.3136 B21.7177 F829.75
N36 X.7177 Y.5917 Z-4.622 A-54.741 B20.5864 F854.35
N37 X.8641 Y.5896 Z-4.5841 A-55.157 F879.24
N38 X.106 Y.5876 Z-4.5461 A-55.5658 F904.19
N39 X1.1572 Y.5857 Z-4.508 A-55.9513 B16.4387 F930.67
N40 X1.3037 Y.5839 Z-4.4698 A-56.3279 B15.0668 F954.35
N41 X1.4503 Y.5821 Z-4.4316 A-56.6998 B13.6653 F979.24
N42 X1.597 Y.5805 Z-4.3933 A-57.0709 B12.3363 F1004.19
N43 X1.7436 Y.5789 Z-4.355 A-57.4436 B11.0668 F1029.75
N44 X1.8903 Y.5775 Z-4.3166 A-57.8169 B10.0000 F1054.35
N45 X2.0369 Y.5761 Z-4.2781 A-58.1902 B9.0000 F1079.24
N46 X2.1836 Y.5738 Z-4.2396 A-58.5635 B8.0000 F1104.19
N47 X2.3303 Y.5713 Z-4.2011 A-58.9368 B7.0000 F1129.75

Mastercam

<https://www.mastercam.com/community/competitions/first-robotics/>



Organization Name

MathWorks

Voucher Value

MathWorks Resources for *FIRST*® Teams

Expiration Date

06/30/2021

Shipping

Included

Access Code(s)

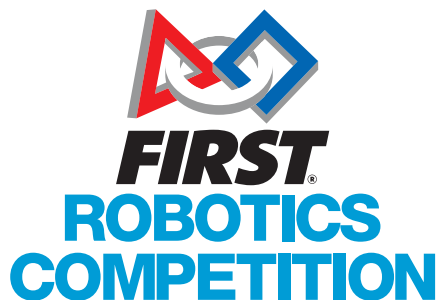
n/a

Website

mathworks.com/first-robotics

Please visit our website to request access to MathWorks software as well as find other resources available to FIRST® teams:

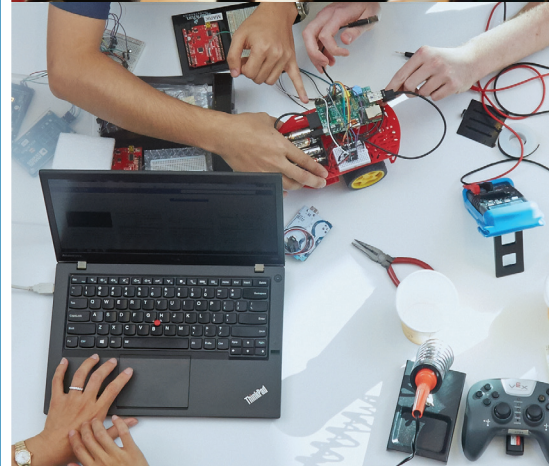
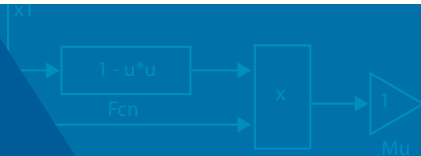
- Software license to over 50 products, including:
 - o MATLAB, Simulink, Stateflow, Simscape, MATLAB Coder, Robotics System Toolbox, Navigation Toolbox, Control System Toolbox, Signal Processing Toolbox, Computer Vision Toolbox, Sensor Fusion and Tracking Toolbox and more
- Links to free, 2-hour online courses to get started with MATLAB and Simulink
- Tutorials, videos, and examples for students participating in robotics competitions



```
if sym =  
if sym = 3,  
a = sym;  
a = sym + 3*(s;  
j = 2:n;  
alfa(j) = alfa(j)  
l = 6-del;
```

MathWorks is a proud supporter
of student competitions that inspire
learning and advance education in
engineering, science, and math

Learn more at
mathworks.com/academia/student-competitions





Organization Name

NI

Voucher Value

NI LabVIEW Software

Expiration Date

01/15/2022

Shipping

Included

Access Code(s)

Visit Team Registration Account

(Lead Mentor 1 or 2)

Website

<http://www.ni.com/frc>

This license also provides access to more than a dozen LabVIEW add-ons, NI Multisim for SPICE simulations, and NI Ultiboard for PCB design.

1. Access Your Team's Serial Number

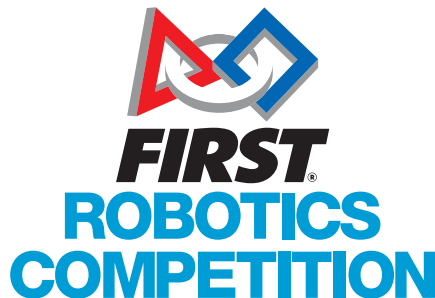
Have your Lead Mentor 1 or 2 log in to your team's account at www.firstinspires.org to access your serial number by clicking on "Passwords/Voucher Codes."

2. Download Software

Get NI LabVIEW for *FIRST* Robotics Competition via the *FIRST* Robotics Competition Resource Hub at www.ni.com/frc

3. Learn and Earn

Learn LabVIEW with free online training and earn skills badges at www.ni.com/frc



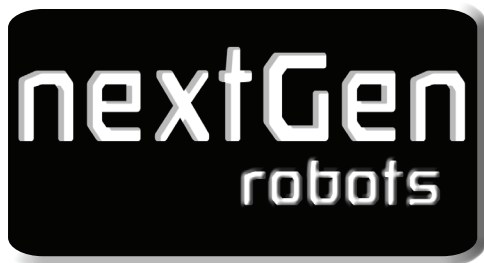


National Instruments is now NI.

At NI, we believe in the power and potential of making connections—between people, ideas, and technology—to create a path forward.

It's time. Let's Engineer Ambitiously.





Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code(s)

Website

Next Gen Robots

CIM Cooler 180 or 775 Cooler 360

05/31/2020

Team Responsibility

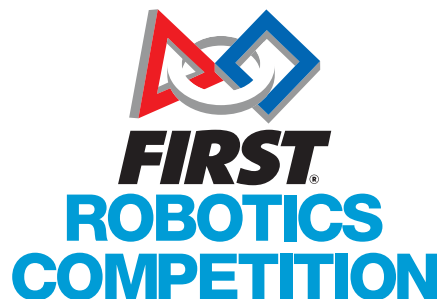
Visit Team Registration Account

(Lead Mentor 1 or 2)

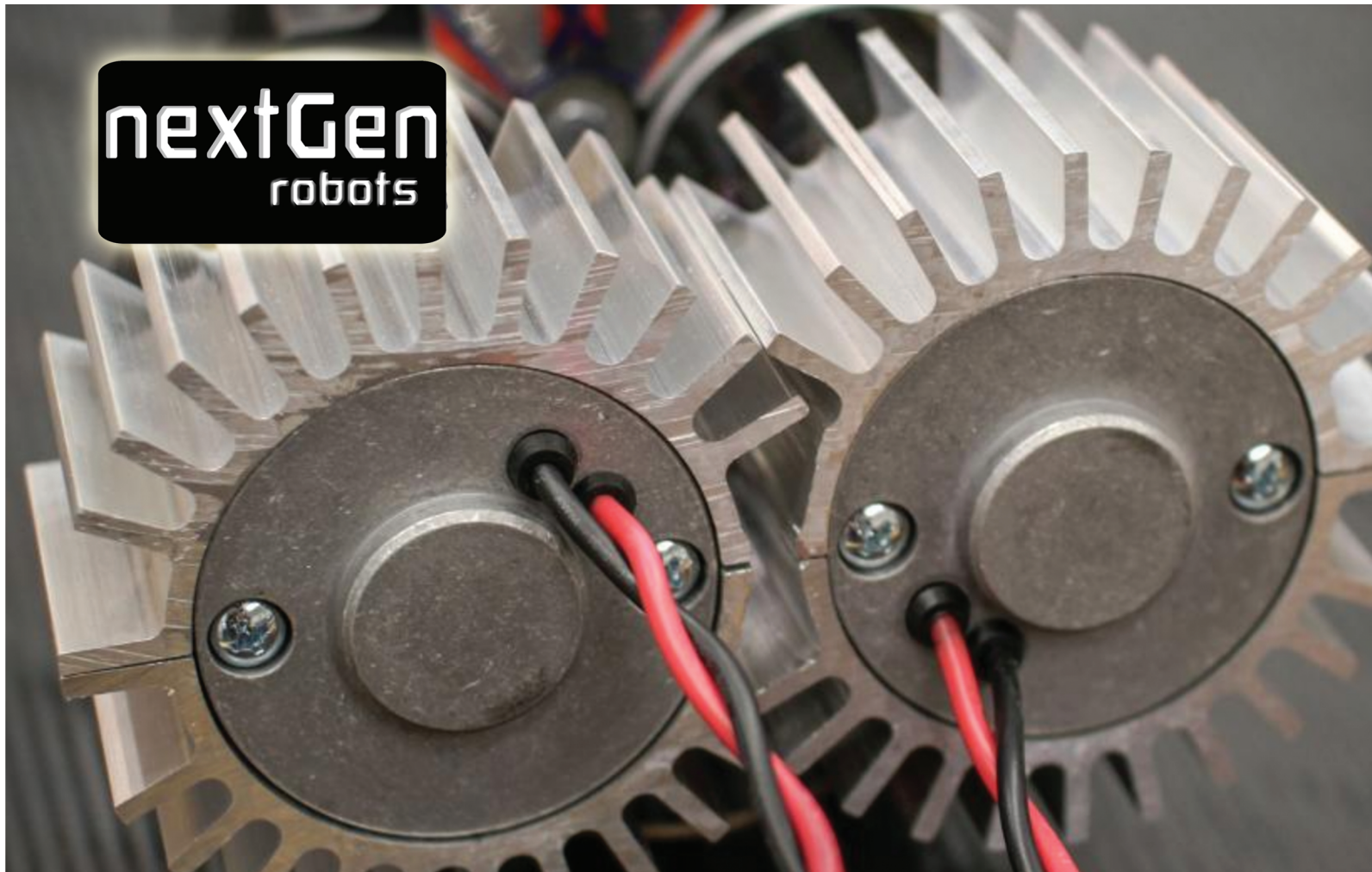
www.nextgenrobots.com

Attention *FIRST*® Robotics Competition Teams:

1. Be sure to email sales@nextgenrobots.com with your Lead Mentor Name, *FIRST* Robotics Competition Team Number, and PDV Code found on the *FIRST* Robotics Competition Team Registration System so that we can make sure that your code is active!
2. Once confirmed, enter the team's assigned code from step 1 into "Coupon code" on your order and the discount will appear during checkout. Do not "Checkout as guest".
3. This coupon can be redeemed for one CIM Cooler 180 (an \$8.00 value) or one 775 Cooler 360 (an \$8.00 value) but products can be purchased in any combination and multiple amounts of the CIM Cooler or the 775 Cooler. After applying the coupon code during checkout, the total will be less \$8.00. Before submitting the order make sure the discount has been applied to the total. If the discount is not showing, try clicking "view cart" and reapply the code.



nextGen
robots





Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code(s)

Website

Onshape, A PTC Business

Onshape CAD Software

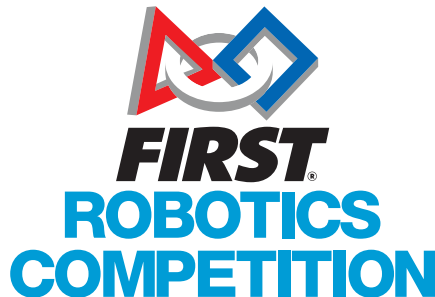
09/01/2021

Included

Visit Team Registration Account

(Lead Mentor 1 or 2)

<https://www.onshape.com/edu/frc>



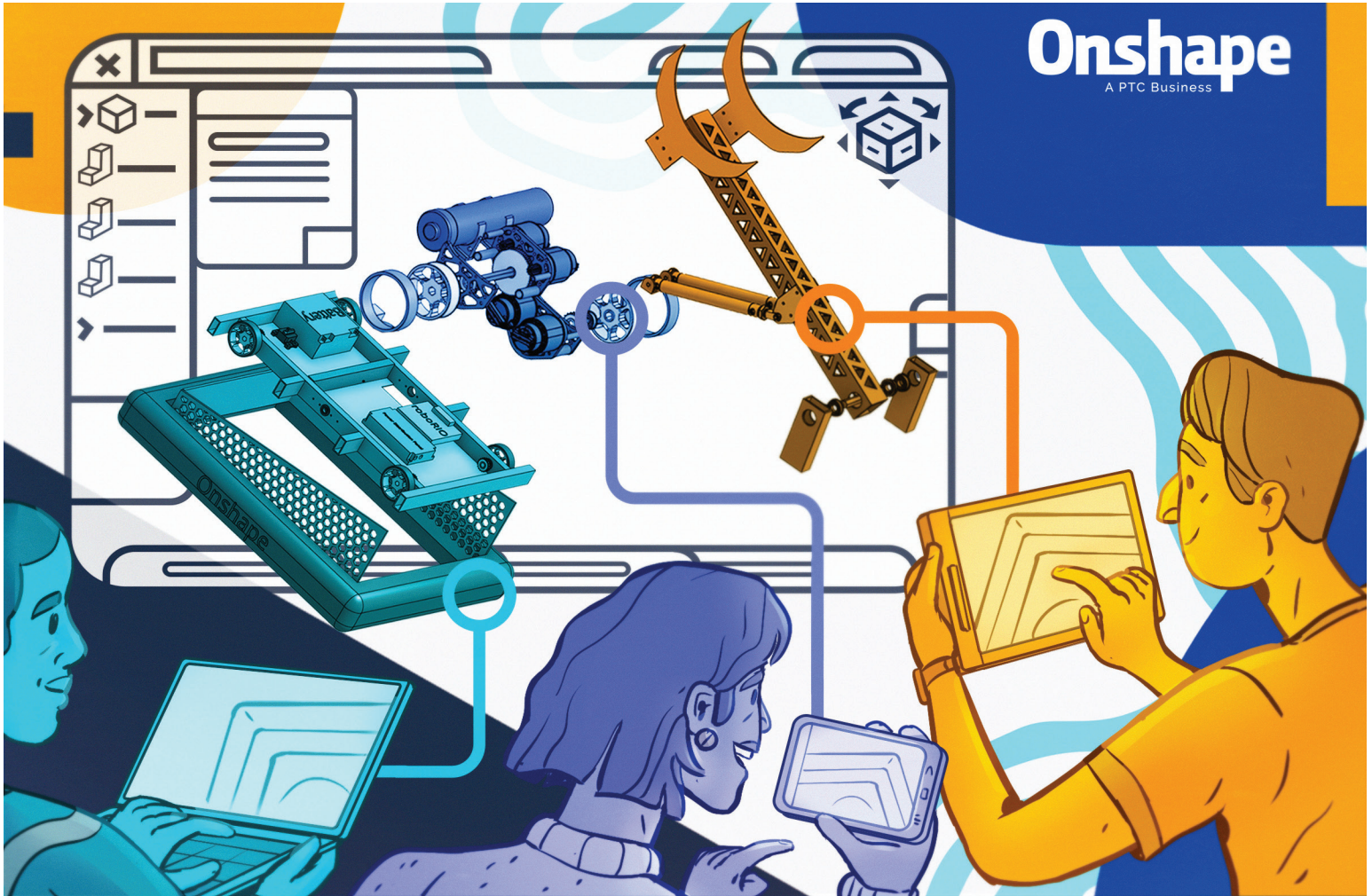
Free access to the Onshape Education Plan and full access to the Learning Center.

*Visit the **FIRST Onshape** webpage for information and resources:
<https://www.onshape.com/edu/frc>*

Email comments or questions: FIRST@ptc.com

Onshape

A PTC Business





Organization Name

PTC

Voucher Detail

PTC CAD and Collaboration Software

Expiration Date

09/01/2021

Shipping

Included

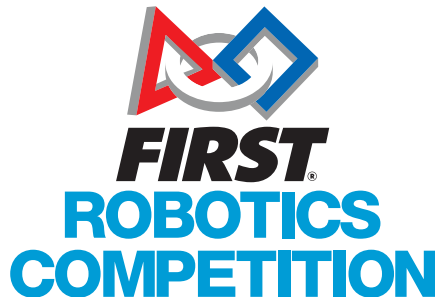
Access Code(s)

Visit Team Registration Account

(Lead Mentor 1 or 2)

Website

ptc.com/en/academic-program/student/first



PTC CAD and Collaboration Software available to FIRST teams:

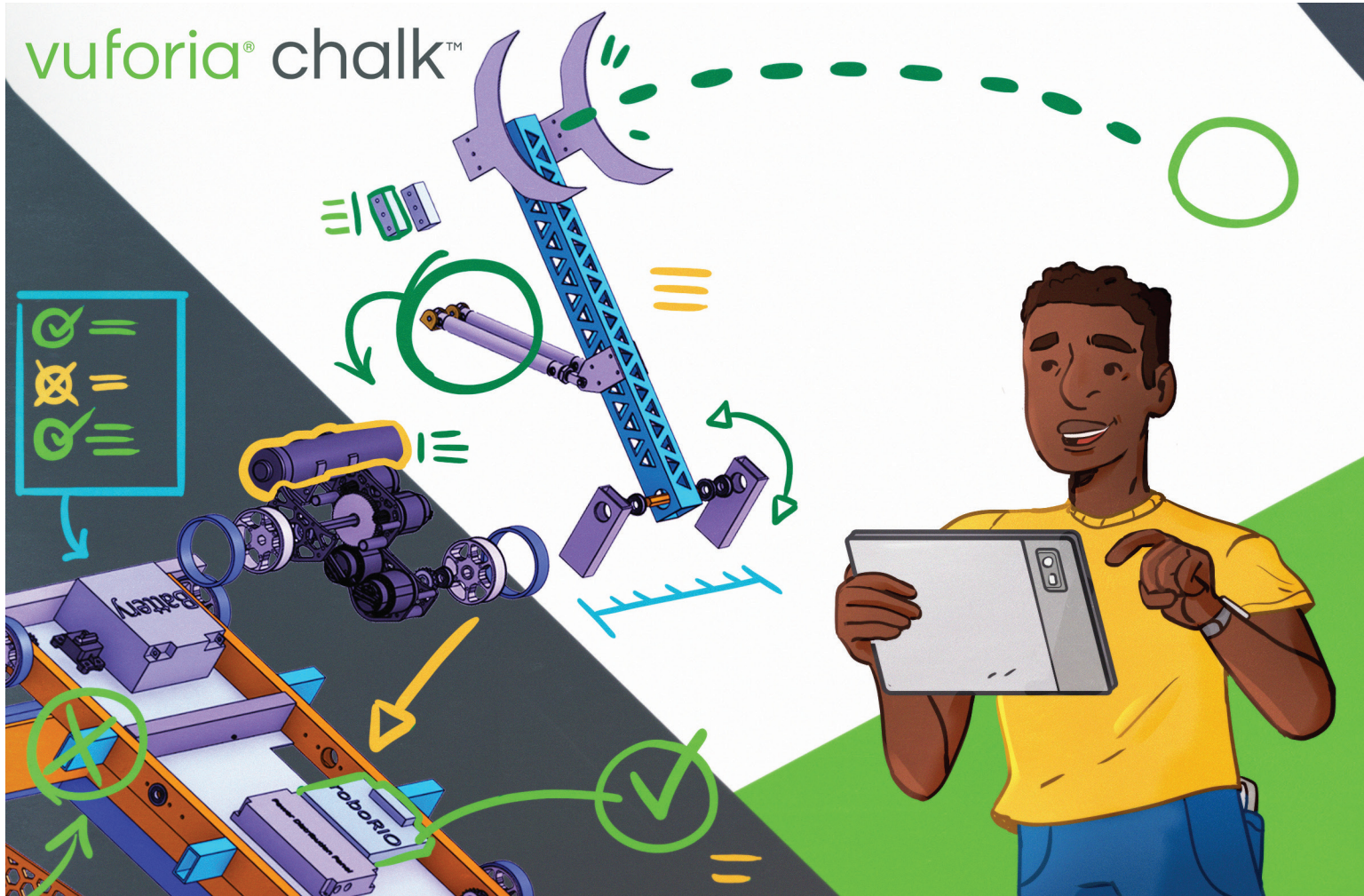
- ***Vuforia® Chalk™*** – Application to facilitate AR remote assistance between team members
- ***Onshape*** – Cloud-based 3D CAD software
- ***Creo*** – 3D CAD software
- ***Mathcad*** – Software for engineering calculations

Visit the FIRST | PTC webpage for more information:

<https://www.ptc.com/en/academic-program/student/first>

Send comments or questions to FIRST@ptc.com

vuforia® chalk™





Organization Name

REV Robotics

Voucher Value

\$50.00

Offer Expires

06/30/2021

Shipping

Team Responsibility

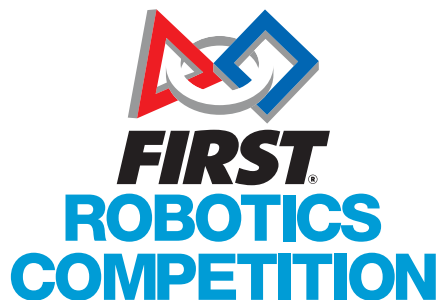
Access code

Visit Team Registration Account

(Lead Mentor 1 or 2)

Website

www.revrobotics.com



Receive \$50 towards any product on www.revrobotics.com

Enter the code you receive as a "gift card" at checkout.

More instructions will be posted to <http://www.revrobotics.com/frc-voucher/>



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Custom robot parts-
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Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code

Website

RoboPromo

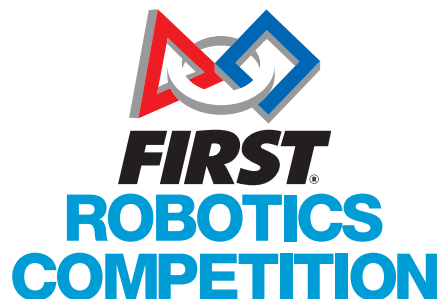
FIRST® Iron-On Bumper Logos (set of 8)

05/01/21

Team Responsibility

logo21

www.robopromo.com



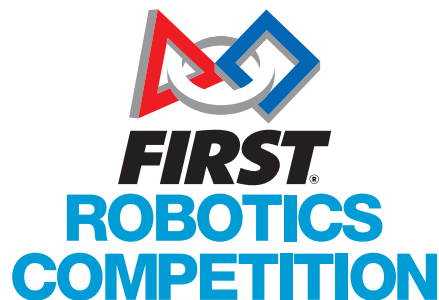
Instructions:

- Go to **www.robopromo.com** and enter access code **logo21** at checkout (include team number) to receive (1) pack of (8) iron-on logos: 3.75" x 5"
- *Available to FIRST® Robotics Competition Teams only.*
- *Available 01/04/21 (one order per team)*

ROBO*PROMO*

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SIEMENS



Organization Name

Siemens

Voucher Detail

**Solid Edge 3D CAD Software and
Certification Exam**

Expiration Date

12/30/21

Shipping

Included

Websites

**www.siemens.com/FIRSTRobotics
www.siemens.com/plm/solidedgecertification**

Siemens is pleased to offer Solid Edge 3D CAD Software to each and every member of your FIRST® Robotics Competition team a free academic license of Solid Edge for use in designing, editing and building your winning robot.

You can download the software at your convenience at

www.siemens.com/FIRSTRobotics

To redeem free student license of Solid Edge, simply visit the landing page above.

And when you've become proficient in Solid Edge we invite you to take the Solid Edge certification exam. For FIRST Team members, Siemens will waive the usual \$25.00 fee.

Visit: **www.siemens.com/plm/solidedgecertification**

Good luck this season!

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Download Siemens Solid Edge®
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Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code(s)

Website

SolidProfessor

One Free Membership

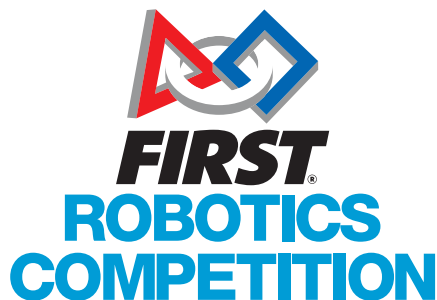
11/14/2021

n/a

Visit Team Registration Account

(Lead Mentor 1 or 2)

<https://go.solidprofessor.com/first-robotics-competition-sponsorship>



With this voucher, your team will receive one free individual annual membership to SolidProfessor (\$490 value), giving you access to

SolidProfessor's online CAD and CAM courses to help your team become more efficient designers. Each course is organized into short, expert-guided lessons including practice exercises and exams that make learning CAD and CAM easier than ever. Plus, when students successfully complete a course, they can earn a Technical Certificate.

To access your free membership:

1. Visit the SolidProfessor *FIRST* Robotics web page and complete the short form.
2. Within a week, a SolidProfessor team member will set up your free membership and reach out to you at the email address provided with information about how to access your account.



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Virtual Kit of Parts.
Access online CAD
training today!





Organization Name

3DS SOLIDWORKS

Voucher Detail

SOLIDWORKS 3D Design Software Suite

Expiration Date

07/21/22

Shipping

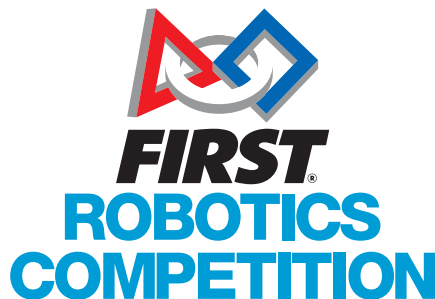
Included

Access Code

n/a

Website

WWW.SOLIDWORKS.COM/FIRST



Dassault Systèmes SolidWorks Corporation wants to help you develop the engineers and innovators of tomorrow. That is why we are pleased to sponsor your FIRST team.

Student teams now have the choice of using our SOLIDWORKS desktop product, which includes over twelve powerful design, and engineering products. OR the 3DEXPERIENCE platform, a cloud-based portfolio of integrated tools and apps. Teams can apply for both sponsorships separately if they choose.

To request SOLIDWORKS Desktop visit: solidworks.com/studentchallenges

To request 3DEXPERIENCE Platform visit: edu.3ds.com/challenges

DS DASSAULT
SYSTEMES

DS SOLIDWORKS





Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code(s)

Website

Swyft Robotics

10 pcs ½ in Hex Bearings (SKU: BRG-1001)

4/30/2021

Team Responsibility

Visit Team Registration Account

(Lead Mentor 1 or 2)

www.SwyftRobotics.com

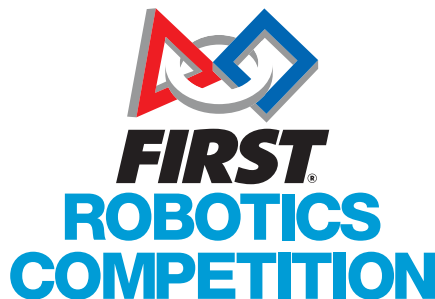
Instructions:

1. Go to www.SwyftRobotics.com/Voucher
2. Enter your valid code from the *FIRST*® Team Registration System
3. Enter shipping and billing information
4. Place the order and wait for the arrival

Restrictions:

1. The order must be shipped to a U.S. or Canadian address.
2. The credit card must be issued by a U.S. or Canadian bank.
3. The Voucher does not include shipping; the team will be responsible for shipping costs.

Valid for 10 pcs ½ in Hex Bearings (SKU: BRG-1001). Limit one per *FIRST*® Robotics Competition Team. Must be registered for the 2021 robotics season. Voucher not transferable to other people or teams.





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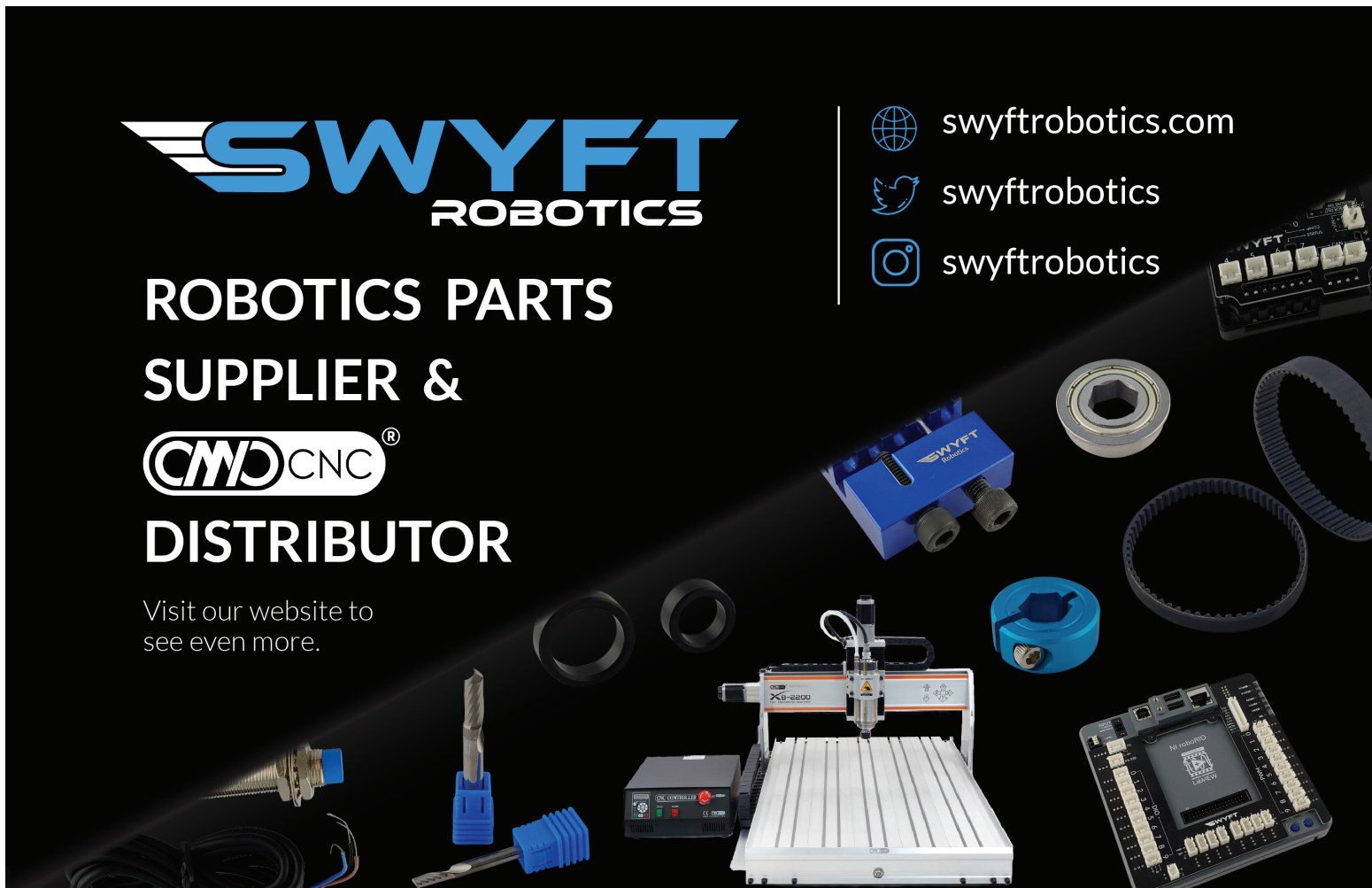
swyftrobotics.com



swyftrobotics



swyftrobotics





Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code(s)

Website

Tableau

One copy of Tableau Desktop

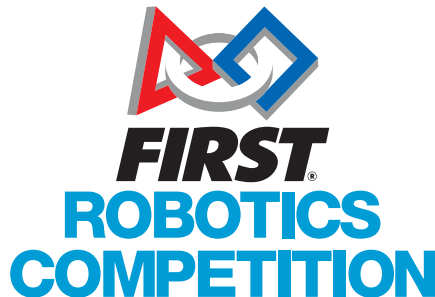
08/31/21

Included

Visit Team Registration Account

(Lead Mentor 1 or 2)

www.tableau.com/first-robotics



Complimentary access to Tableau Desktop data analysis and visualization, and Tableau Prep for data preparation.

Visualize your data. Quickly answer questions. Play better defense, pick alliance partners, analyze robot performance, target your fundraising, and reduce inventory waste.

- Use the product code found in your Lead Mentors' 1 and 2 *FIRST*® registration accounts for five activations per team.
- Don't forget to check out Tableau's free online resources (<https://www.tableau.com/first-robotics>) created specifically for *FIRST*® Robotics Competition students.

These access codes are for educational use only. Please do not share your key with anyone outside your team.

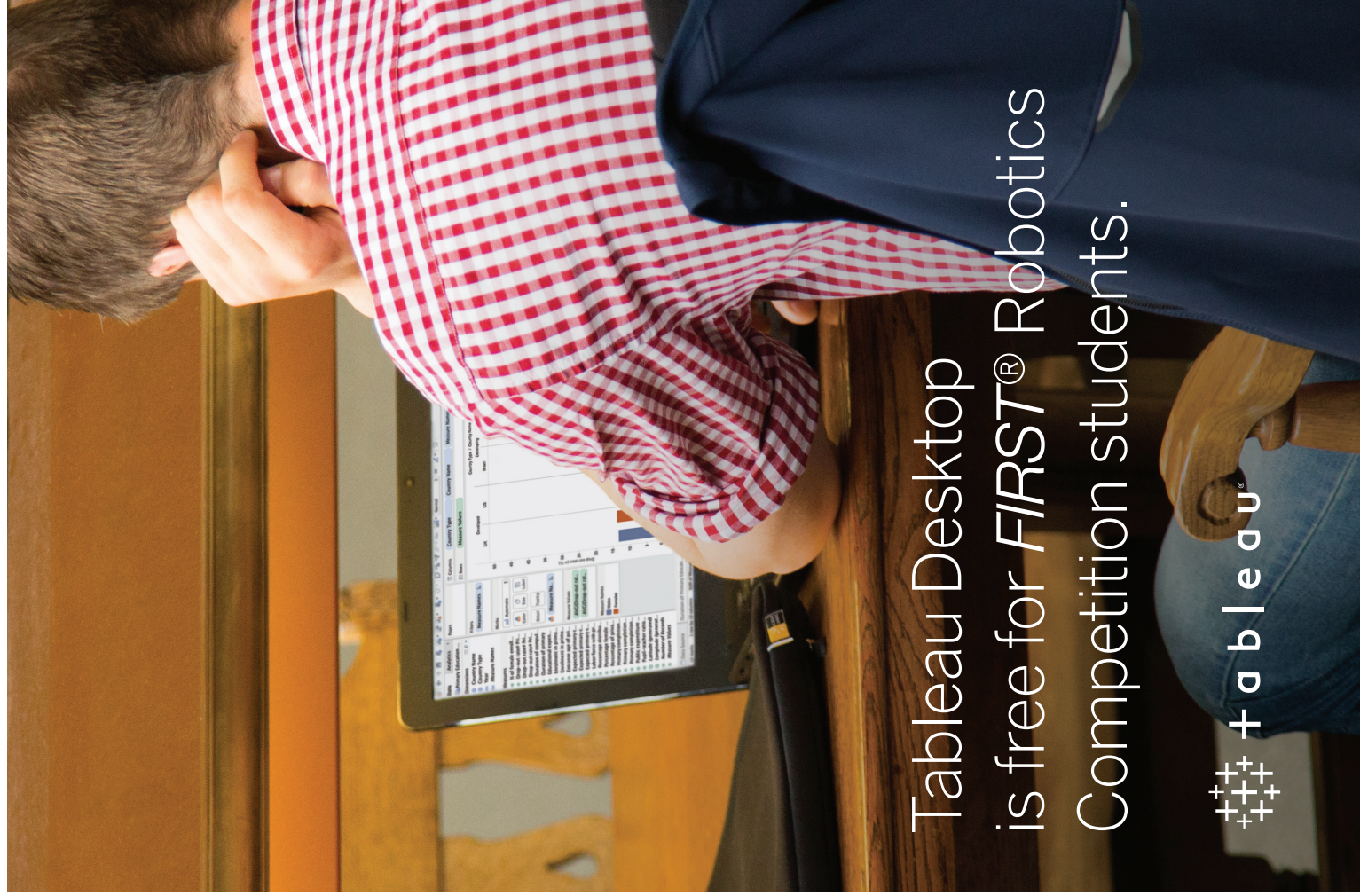


Tableau Desktop
is free for *FIRST*® Robotics
Competition students.

++++ + a b l e a u®



Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code(s)

Website

TE Connectivity

\$25.00

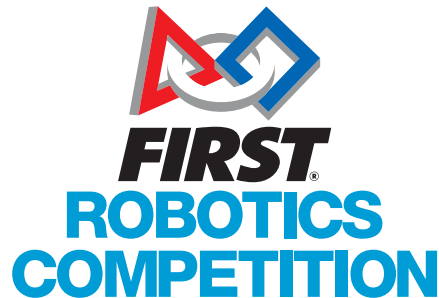
09/30/2021

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(Lead Mentor 1 or 2)

www.te.com/first



***\$25.00 for FIRST® Robotics Competition Teams to receive
TE Connectivity products***

To redeem: *Check the FIRST® Kit of Parts website for details.*



\$25

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Competition Teams**
to receive
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TO REDEEM:

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website for details.

VOUCHER



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Organization Name

Voucher Value

Expiration Date

Shipping

Access Code(s)

Website

Upverter

Collaborative browser-based system, schematic, and PCB design tool.

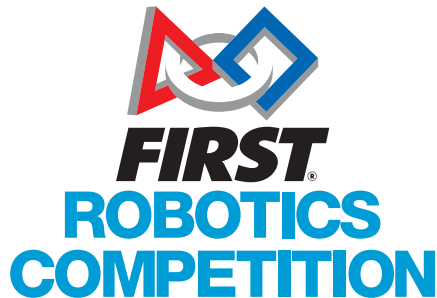
12/31/2021

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(Lead Mentor 1 or 2)

upverter.com



1. Visit upverter.com/first.
2. Sign up for your free account.
3. Invite collaborators.
4. Start building.

Design Electronics Anywhere Anytime

Colaborativly create System Diagrams, Schematics
and PCB layouts, right in your browser.



Verified Components



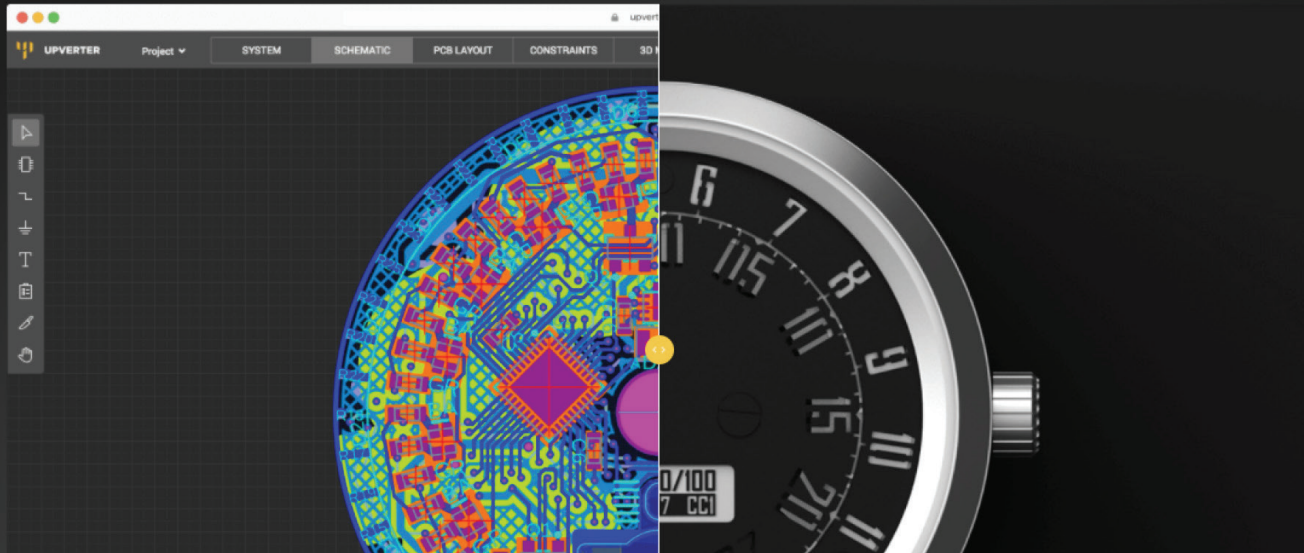
CAD Downloads



Team Collaboration



Educational Resources





Organization Name

Voucher Value

Expiration Date

Shipping

Access Code(s)

Website

Vulcan Spring & Manufacturing Co.

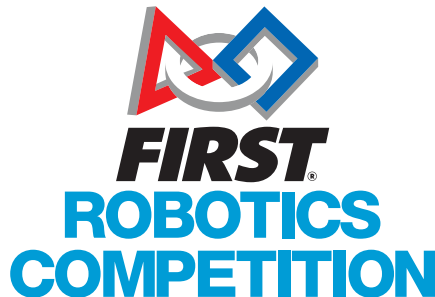
6 Free Springs from Select List

12/31/21

Included (U.S. and Canada)

Provided in packets

<http://www.vulcancares.com>



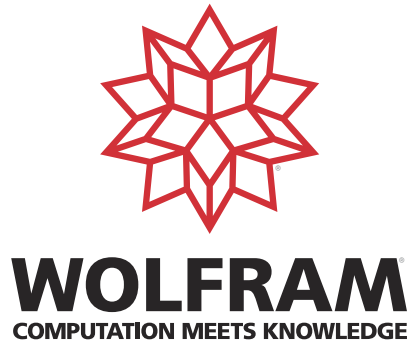
We are offering six constant force springs to each team participating in the competition. Mix and Match any springs from our constant force stock offering. The offer also includes free shipping within the USA and Canada! Orders are limited to 1 per team per year.



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Competition
Since 2007

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Organization Name

Voucher Detail

Expiration Date

Shipping

Access Code(s)

Website

Wolfram Research

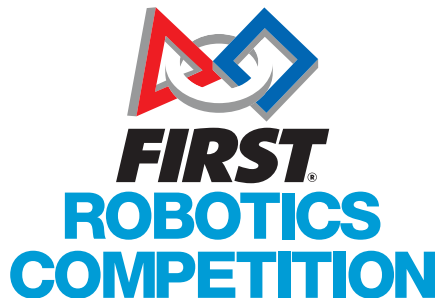
A year of complimentary access to Wolfram|One, Wolfram SystemModeler, and Wolfram|Alpha Pro

06/01/2021

Included

See below for details

www.wolfram.com/firstrobotics/



To claim your software, visit www.wolfram.com/firstrobotics

Students: Please use the screencast code “**FRCSTU53SYSW1PR2021**” and complete the team name and coach name fields in the form.

Coaches: Please use “**FRCOACH54SYSW1PR2021**” as the screencast code in the form.

Wolfram resources for *FIRST*® Robotics Competition are non-transferable and may only be used by registered participants of *FIRST*® Robotics Competition. This offer expires on June 1, 2021





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