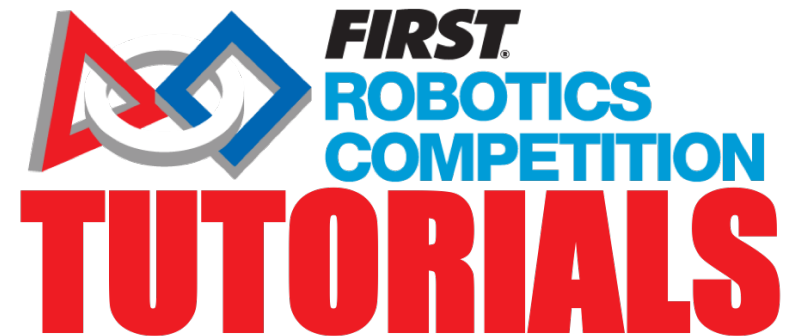


FIRST Choice

TEAM 8027



What is FIRST Choice?

- FIRST Choice Kit of Parts (KOP) is basically a special storefront for FIRST Robotics Competition Teams (<https://www.firstchoicebyandymark.com/everything>)
- Every FRC team is given credits to spend at the FIRST Choice store
- Credits are given in two rounds. Round 1 deadline is usually early December and Round 2 is in early January.
- If you don't use up all your credits in the first round, you can use them in the second round. You get additional credits for Round 2
- [Rookie Tip]** It's free other than shipping. Spend it and stock up for future years.

FIRST Choice
Powered by AndyMark

HOME > EVERYTHING

Order By: Name: A to Z

Information can be found in the [FIRST Choice section of the Kit of Parts page](#)
Timeline for all events can be found on this years process flow chart
Over 2500 emails are going out throughout today, Dec 6th.

CATEGORIES

- Everything
- In Stock
- Bearing
- Controls
- Couplers
- Electronics
- Misc
- Motors/Servos
- Pneumatics
- Sensors
- Shaft Collar
- Structure
- Tools

SOURCE

- 3M
- Analog Devices
- Anderson Power Products
- AndyMark, Inc.
- Armatot
- Automation Direct
- BaneBots
- Bliden
- Bishop Wisecarver
- BURNDY
- Charmed Labs
- Clippard
- Colonial Instruments
- Connection
- Cooler Master
- Cross The Road Electronics
- CUI Inc.
- Cypress
- Denso
- ebm papst
- Epec Engineered Technologies
- Festo
- Fluke
- Haydon Kerk Motion Solutions
- Henkel
- Hitec RCD
- HK TENGSHUN POWER SUPPLY CO LIMITED
- HPE Automation
- Hydro Extrusion North America
- Igus
- IMI Precision Engineering
- Innovation First
- John Deere
- Johnson Electric
- Kausal Labs
- Mitsumi
- Motex
- Nason
- National Instruments
- No Starch Press
- Parker
- REV Robotics
- Robot Extrusions
- Rockwell Automation
- Ruland Manufacturing
- Shuster Corp
- Siemon

Products for sale:

- Vinyl Electrical Tape, Blue (80610833925) 5 FIRST Credits
- Duct Tape, Blue (70006315231) 10 FIRST Credits
- Vinyl Electrical Tape, Orange (80610834022) 5 FIRST Credits
- 8830 ScotchMile Reflective Material, Vision Target Tape, 8 ft sections of 2" wide (7505090492) 20 FIRST Credits
- Duct Tape, Red (70006315215) 10 FIRST Credits
- Vinyl Electrical Tape, Yellow (80610833966) 5 FIRST Credits
- Duct Tape, Black (70006315248) 10 FIRST Credits
- Duct Tape, Yellow (70006315199) 10 FIRST Credits
- Command Strip, cord clips (70006910965) 5 FIRST Credits
- Vinyl Electrical Tape, Green (80610834048) 5 FIRST Credits
- 2-Position & 4-Position Link Connectors, Qty 10 each with 6ft Cable (JE150416673, JE150279733, JE150416673) 10 FIRST Credits
- Industrial R445 Modular Plug (3R108-0000-0005E) 5 FIRST Credits
- Command Strip, light clips (70006906579) 5 FIRST Credits
- Hex hub kit, 1/2 in. (A0099) 10 FIRST Credits
- IMU, SPI (ADIS16470) Max Qty Per Team: 4 50 FIRST Credits
- IMU MXP Breakout Board (ADIS16448BRD) Max Qty Per Team: 2 100 FIRST Credits
- Active Learning Module M1K Kit (M1K) 20 FIRST Credits
- Analog Devices Gyro (ADXR9450) Max Qty Per Team: 3 20 FIRST Credits
- S35-12H 500 Key Hub Steel Sprocket (am-0019) 5 FIRST Credits
- 1/2 in Key Hub (am-0077a) 5 FIRST Credits
- S35-22L Aluminum Sprocket, Large Bore (am-0216) 5 FIRST Credits
- 8 in. Pneumatic Wheel & hub (am-0970) 20 FIRST Credits
- 500EX Key Hub (am-0976) 5 FIRST Credits
- 3 Delnet 4.2 in. Quick Release Pin (am-1489) 5 FIRST Credits
- AndyMark Snow Blower Motor with Hex Output (am-2355a) Max Qty Per Team: 2 20 FIRST Credits

Voucher Codes

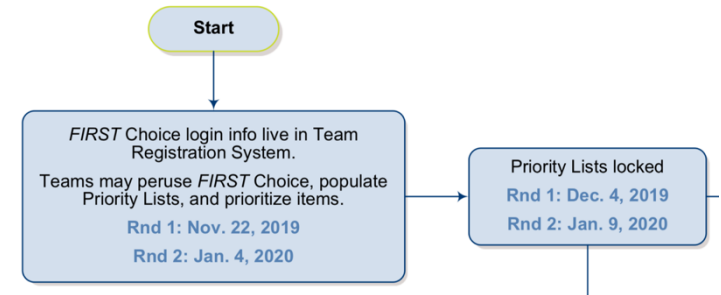
- Every team is given a list of coupon codes to use at particular stores
- These codes are unique to your team
- These can be found from your FIRST Inspires Dashboard under Payment & Product
- The codes and the deadlines to use them are clearly indicated
- Your FIRST Choice password can be found on this page
- **[Rookie Tip]** This is all free, so make sure you use it. Even if you do not use the item this season, it might be useful for next year

The screenshot displays the FIRST Inspires Dashboard for Team # 8027, Team Name: Not the Droids You Are Looking For, and Program: FIRST® Robotics Competition. A table lists various voucher codes and their expiration dates. A navigation menu on the left includes 'Payment & Product', which is highlighted with a red arrow. A dropdown menu for 'Payment & Product' shows options: 'Order Replacement Parts', 'Passwords/Voucher Codes' (highlighted with a red arrow), 'Select Kickoff Kit Pickup', 'Game Piece Opt In', 'Drive Base Opt Out', and 'Founder's Reception'.

Item	Description	Expiration Date
Altium	Altium Designer - 1 yr student license	Expiration Date: 12/31/2020
Amazon Web Services	\$75.00 in AWS Promotional Credits	Expiration Date: 11/15/2020
Armabot	Voucher for one RS7 encoder	Expiration Date: 4/26/2020
Autodesk	Autodesk Software Access	Expiration Date: N/A
Automation Direct	\$35 Voucher	Expiration Date: 5/4/2020
Clippard	\$20.00 at Clippard	Expiration Date: 4/30/2020
Digi-Key Electronics	\$50.00 at Digikey.com	Expiration Date: 9/30/2020
DriveWorks	DriveWorks Solo Design Automation SW (1 yr)	Expiration Date: 9/30/2020
FIRST	FIRST Choice password	Expiration Date: 4/10/2020
FIRST	Q&A Password	Expiration Date: 4/10/2020
FIRST	Avatar Key	Expiration Date: 4/10/2020
Inventables	\$100.00 at Inventables.com	Expiration Date: 6/3/2020
Mastercam	Mastercam Educational Suite	Expiration Date: 10/31/2020
National Instruments	NI LabVIEW plus add-ons	Expiration Date: 1/15/2021
Next Gen Robots LLC	1 CIM Cooler 180 or 775 Cooler 360	Expiration Date: 5/31/2020
PTC	PTC Creo 3.0	Expiration Date: 12/31/2020
REV Robotics	REV Robotics	Expiration Date: 12/31/2020
Robopromo	Robopromo	Expiration Date: N/A
Siemens	Siemens	Expiration Date: 2020
SolidProfs	SolidProfs	Expiration Date: 2020
Solidworks	Solidworks	Expiration Date: 2020
Swyft Robot	Swyft Robot	Expiration Date: 2020
Tableau Sof	Tableau Sof	Expiration Date: 2020
TE Connect	TE Connect	Expiration Date: 2020
The Blue All	The Blue All	Expiration Date: 2020
Vulcan Sprit	Vulcan Sprit	Expiration Date: 2020
Wolfram Re	Wolfram Re	Expiration Date: 2020
Wolfram Re	Wolfram Re	Expiration Date: 2020

How many credits do we get?

- In 2020, teams were given 580 credits in Round 1 + 275 credits in Round 2
- You can visit the FIRST Choice Store to see how many credits typical items cost.
- **[Rookie Tip]** Sometimes the cost to pay for the item in dollars is less than the cost in credits. Show wisely if your team is on a budget
- **[Rookie Tip]** Not every item in the FIRST Choice is useful. For example, there is a LEGO building book listed and even some FTC game elements from past years!
- Note that items obtained through FIRST Choice credits are considered to be KOP and may be accounted at \$0 in your Bill of Materials (BOM)



Step 1: Make an Account

- Make an account and Login
(<https://firstchoicebyandymark.com/login>)
- You will need to know your team password for FIRST Choice

Payment & Product



Order Replacement Parts

→ Passwords/Voucher Codes

Select Kickoff Kit Pickup

Game Piece Opt In

Drive Base Opt Out

Founder's Reception

All Information can be found in the
[FIRST Choice section of the Kit of Parts page](#)

The 2020 *FIRST* Choice process is detailed in a flow chart [here](#). ----->

Be sure to check out the [How To FIRST Choice video](#).

[Looking for your Password???](#)



Log In with Team Number (*do not use leading zeroes*) and Password

Team Number:

Password:

Log in

Step 2: Create a Priority List

- FIRST and AndyMark use a priority list system
- Teams indicate what items they like and then put them in an ordered list
- You may not get all the items in your list. FIRST recommends that you list double the items you might have Credits for
- If you don't end up spending the Credits, you will get a chance to use them up after the two rounds are over on a first-come-first-served basis













Priority List - PL99001 (Drag & Drop to change your Priority)

There are currently (85 Credits) and (4 unique items) in this list. It is **possible** to not get everything on this list.
It is recommended to have more than **DOUBLE** your available Credits in your list.
Remember each round will only use 1 line item, the same item in two lines is two different rounds. [Check out the Process](#)

Update

Continue Shopping

Email a friend

Remove	Priority	Product(s)	FIRST Choice Credits	Qty.	Total Credits	Link To Product
<input type="checkbox"/>	1	 Motor Stator Winding (fc-1/2motor)	20	 1 	20	fc-12motor
<input type="checkbox"/>	2	 Stress Gauge (fc-AHHHHHHH)	10	 1 	10	fc-ahhhhhh
<input type="checkbox"/>	3	 Clear Tape (fc-sticky)	5	 1 	5	fc-sticky
<input type="checkbox"/>	4	 Pressure Relief (fc-WOOOOSAHHHH)	50	 1 	50	fc-woooosahhhh

Update

Continue Shopping

Priority List Processing

- The priority list is processed in “rounds”. In each round, a team is given the highest entry on their priority list that they have enough credits for and is still available. Note that multiple items still count as a single entry (e.g. you may get all 20 shaft collars that are 1st on your list in a single round).
- **[Rookie Tip]** Carefully choose your priority order to maximize the value of FIRST Choice
 1. Popular items (e.g. NEO motors, Spark Max controllers) will go out of stock quickly. If you really want these put them high on your list
 2. In each round, you only get a single “entry” satisfied. So, make sure that your high priority entries have significant value (i.e. avoid putting a single roll of tape as high priority). You are better off getting something more valuable and buying the cheap item from the store.
 3. New items (e.g. game pieces) are added to the store in the second round. While you get more credits, you may want to save some from the first round for these items.

What should rookies get?

- There are recommended lists on the FIRST Choice website. This is a good place to start (<https://www.firstchoicebyandy.com/priority-list-rookie>)

- ▶ Priority List - Control System
- ▶ Priority List - Motors/Controllers
- ▶ Priority List - Pneumatics
- ▶ **Priority List - Rookie**
- ▶ Priority List - Structure
- ▶ Priority List - Vision

FIRST Choice
Powered by AndyMark

HOW TO? 8027 Log out Shopping Cart (0 items)
Credits in Cart (0 total)

Search store

LOGIN PRODUCTS SEARCH MY ACCOUNT MY CREDITS SHOPPING CART SUPPLIERS FC RULES CONTACT US

CATEGORIES

- Everything
- In Stock
- Bearing
- Controls
- Couplers
- Electronics
- Misc
- Motors/Servos
- Pneumatics
- Sensors
- Shark Collar
- Structure
- Tools

SOURCE

- 3M
- Analog Devices
- Anderson Power Products
- AndyMark, Inc.
- Armatbot
- Automation Direct
- BaneBots
- Belden
- Bimba
- Biamp Wiseacvr
- BURNDY
- Charmed Labs
- Clippard
- Colonial Instruments
- Connection
- Cooler Master
- CUI Inc.
- Cypress
- Denso
- ebm papst
- Epic Engineered Technologies
- Festo
- Fluke
- Haydon Kerk Motion Solutions
- Henkell
- Hitec RCD
- HK TENGSHUN POWER SUPPLY CO LIMITED
- HPE Automation
- Hydro Extrusion North America
- Igus
- IMI Precision Engineering
- Innovation First
- John Deere
- Johnson Electric
- Kauai Labs
- Mitsumi
- Molex
- Nason
- National Instruments
- No Starch Press
- Parker
- REV Robotics
- Robot Extrusions
- Rockwell Automation
- Ruland Manufacturing
- Shuster Corp
- Siemens
- SuperBrightLEDs.com
- Texas Instruments

Items that would be beneficial to Rookie teams

"Add all to Priority List" will ADD to your Priority List.

"Replace Priority List" will REPLACE your Priority List.

Add all to Priority List

Replace Priority List

OUT OF STOCK for FC 2020

8830 Scissors Reflective Material_Vision Target Tape_8 ft sections of 2" wide (75050080492)
Quantity: 1

Active Learning Module M1K Ki (M1K)
Quantity: 1

Analog Devices Gyro (ADXR3450)
Quantity: 1

1/2 In Key Hub (am-0077a)
Quantity: 1

8 In Pneumatic Wheel & hub (am-0970)
Quantity: 1

OUT OF STOCK for FC 2020

500EX Key Hub (am-0976)
Quantity: 1

AndyMark Snow Blower Motor with Hex Output (am-2235a)
Quantity: 1

AndyMark 775 Red Line Motor (am-3775a)
Quantity: 1

Microsoft Lifecam HD3000 Camera (T3H-00011)
Quantity: 1

Voltage Regulator Module (CTRE_VRM_1)
Quantity: 1

OUT OF STOCK for FC 2020

Power Distribution Panel (CTRE_PDP_1)
Quantity: 1

Digital Multimeter Model 175 (ELIUK-175)
Quantity: 1

CIM Motor (217-2000 or am-0255)
Quantity: 1

Talon SRX Motor Controller (A17-8080)
Quantity: 1

BAG Motor (217-3351)
Quantity: 1

OUT OF STOCK for FC 2020

Pressure Regulator & Regulator Mounting Kit (Regulator)
Quantity: 1

NavX sensor (navX-MXP)
Quantity: 1

Robot Signal Light (i.e. Panel Signal Device) (855PB: B12MES22)
Quantity: 1

Spark Max Motor Controller (REV:11-2158)
Quantity: 1

NEO Brushless Motor (REV: 21-1850)
Quantity: 1

OUT OF STOCK for FC 2020

Ethernet cable_50 ft_black (MC5-50-01)
Quantity: 1

LaunchPad Evaluation Kit (MSP-EXP430F5529LP)
Quantity: 1

Battery Cable
Quantity: 1

Credits

- This lesson was written by FRC 8027 for FRCTutorials.com
- You can contact the author at team@droidsrobotics.org



- More lessons for FIRST Robotics Competition are available at www.FRCTutorials.com



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