2015 Kickoff Kit - Checklist

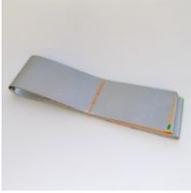| Container	Item Information	Qty	Photo
Yellow Tote Bag 1	**Item:** **Assorted Terminal Packet** **Part #:** Assorted **Supplier:** 3M **Where to get more:** No specific source.	1	
Yellow Tote Bag 1	**Item:** **UNIWRAP Cable Ties, 4 in., Bag of 100** **Part #:** CT18075C **Supplier:** BURNDY **Where to get more:** No specific source.	1	
Yellow Tote Bag 1	**Item:** **UNIWRAP Cable Ties, 8 in., Bag of 100** **Part #:** CT50175C **Supplier:** BURNDY **Where to get more:** No specific source.	1	
Yellow Tote Bag 1	**Item:** **Wire Bundle, 10 AWG, Red & Black, 10 ft. length each color** **Part #:** JMH90451-BLK & JMH90451-RED **Supplier:** James Monroe Wire & Cable **Where to get more:** No specific source.	1	
Yellow Tote Bag 1	**Item:** **Wire Bundle, 14 AWG, Red & Black, 10 ft. length each color** **Part #:** JMH90452-BLK & JMH90452-RED **Supplier:** James Monroe Wire & Cable **Where to get more:** No specific source.	1	
Yellow Tote Bag 1	**Item:** **Wire Bundle, 18 AWG, Black & Red, 10 ft. length each color** **Part #:** JMH90453-BLK & JMH90453-BLK **Supplier:** James Monroe Wire & Cable **Where to get more:** No specific source.	1	
Yellow Tote Bag 1	**Item:** **Wire, 6 AWG, Black, 18 in. length** **Part #:** JMH90450-BLK **Supplier:** James Monroe Wire & Cable **Where to get more:** No specific source.	1	

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Container	Item Information	Qty	Photo
Yellow Tote Bag 1	**Item:** **Wire, 6 AWG, Red, 18 in. length** **Part #:** JMH90450-RED **Supplier:** James Monroe Wire & Cable **Where to get more:** No specific source.	1	
Yellow Tote Bag 2	**Item:** **Throttle Motor** **Part #:** AE235100-0160 **Supplier:** Denso **Where to get more:** Not available	8	
Yellow Tote Bag 3	**Item:** **PSoC 4 Prototyping Kit** **Part #:** CY8CKIT-049-42xx **Supplier:** Cypress Semicondutor **Where to get more:** www.cypress.com	1	
Yellow Tote Bag 3	**Item:** **CAN Wire, 22 AWG,** **Green/Yellow twisted pair, 4 ft. length** **Part #:** N/A **Supplier:** International Wire and Cable **Where to get more:** No specific source.	1	
Yellow Tote Bag 3	**Item:** **NI Software: LabVIEW for FRC** **Part #:** N/A **Supplier:** National Instruments **Where to get more:** frcparts@usfirst.org	1	
Yellow Tote Bag 3	**Item:** **Shaft Collar Packet, bag of 2 pieces** **Part #:** CL-4-A **Supplier:** Ruland **Where to get more:** sales@ruland.com	1	
Yellow Tote Bag 3	**Item:** **Circuit Breakers (20A)** **Part #:** VB3-A20-F57 **Supplier:** Snap Action **Where to get more:** www.snapaction.net or www.andymark.com	5	

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Container	Item Information	Qty	Photo
☐ **Yellow Tote** Bag 3	**Item:** **Circuit Breakers (30A)** **Part #:** VB3-A30-F57 **Supplier:** Snap Action **Where to get more:** www.snapaction.net or www.andymark.com	2	
☐ **Yellow Tote** Bag 3	**Item:** **Circuit Breakers (40A)** **Part #:** MX5-A-40 **Supplier:** Snap Action **Where to get more:** www.snapaction.net or www.andymark.com	4	
☐ **Yellow Tote** Bag 3	**Item:** **Spring, Series H** **Part #:** SH6G25 **Supplier:** Vulcan Spring **Where to get more:** http://info.vulcanspring. com/first-robotics-competition	1	
☐ **Yellow Tote** Bag 3	**Item:** **Spring, Series L** **Part #:** SL6G25 **Supplier:** Vulcan Spring **Where to get more:** http://info.vulcanspring. com/first-robotics-competition	1	
☐ **Yellow Tote** Bag 3	**Item:** **Voucher: 6 Springs from Vulcan Spring** **Part #:** N/A **Supplier:** Vulcan Spring **Where to get more:** Not available	1	
☐ **Yellow Tote** Bag 4	**Item:** **Penumatic Control Module (PCM)** **Part #:** CTRE_PCM_1 **Supplier:** Cross the Road Electronics **Where to get more:** www.crosstheroadelectronics.com, www. andymark.com, or www.vexpro.com	1	
☐ **Yellow Tote** Bag 4	**Item:** **Talon SR Motor Controller** **Part #:** CTRE_TALON_SR **Supplier:** Cross the Road Electronics **Where to get more:** www.crosstheroadelectronics.com, www. andymark.com, or www.vexpro.com	4	

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Container	Item Information	Qty	Photo
☐ Yellow Tote Bag 4	**Item:** **Voltage Regulator Module (VRM)** **Part #:** CTRE_VRM_1 **Supplier:** Cross the Road Electronics **Where to get more:** www.crosstheroadelectronics.com, www.andymark.com, or www.vexpro.com	1	
☐ Yellow Tote Bag 5	**Item:** **Dual Lock Reclosable Fastener, 9 ft. length** **Part #:** SJ3540 or 70070521052 **Supplier:** 3M **Where to get more:** No specific source.	1	
☐ Yellow Tote Bag 5	**Item:** **Grip Material, 1 in. wide, 18 in. length** **Part #:** 300LSE **Supplier:** 3M **Where to get more:** No specific source.	1	
☐ Yellow Tote Bag 5	**Item:** **Heat Shrink Thin-Wall Tubing, 1/4 in., 4 ft. length** **Part #:** FP-301-1/4-BLACK **Supplier:** 3M **Where to get more:** No specific source.	2	
☐ Yellow Tote Bag 5	**Item:** **Heat Shrink Thin-Wall Tubing, 1/8 in., 4 ft. length** **Part #:** FP-301-1/8-BLACK **Supplier:** 3M **Where to get more:** No specific source.	2	
☐ Yellow Tote Bag 5	**Item:** **Scotchlite Reflective Material, 2 in. wide, 5 ft. length** **Part #:** 8830 or 75050060492 **Supplier:** 3M **Where to get more:** www.andymark.com	1	
☐ Yellow Tote Bag 5	**Item:** **Vinyl Electrical Tape, Black** **Part #:** 33+SUPER-3/4X66FT **Supplier:** 3M **Where to get more:** No specific source.	1	

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Container	Item Information	Qty	Photo
☐ **Yellow Tote** Bag 5	**Item:** **Vinyl Electrical Tape, Red** **Part #:** 35-RED-3/4 **Supplier:** 3M **Where to get more:** No specific source.	1	
☐ **Yellow Tote** Bag 6	**Item:** **Main Circuit Breaker (120A)** **Part #:** CB185-120 **Supplier:** Eaton's Bussmann Business **Where to get more:** BussInsideSales@Eaton.com	1	
☐ **Yellow Tote** Bag 6	**Item:** **Compact Fan, 12V, 10mm (compatible with Talon SR)** **Part #:** 412 F **Supplier:** ebm papst **Where to get more:** www.ebmpapst.us	3	
☐ **Yellow Tote** Bag 6	**Item:** **Compact Fan, 12V, 20mm (compatible with Victor 888)** **Part #:** 412 **Supplier:** ebm papst **Where to get more:** www.ebmpapst.us	1	
☐ **Yellow Tote** Bag 6	**Item:** **Participation Pin Packet, bag of 40** **Part #:** 2015PIN **Supplier:** FIRST **Where to get more:** Availalbe from FIRST after Championship	1	
☐ **Yellow Tote** Bag 6	**Item:** **Micro Switch** **Part #:** V7-2B17D8-048 **Supplier:** Honeywell **Where to get more:** No specific source.	1	
☐ **Yellow Tote** Bag 6	**Item:** **34-pin Connector Packet** **Part #:** N/A **Supplier:** RevRobotics **Where to get more:** www.revrobotics.com or www.andymark.com	1	

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Container	Item Information	Qty	Photo
☐ **Yellow Tote** Bag 6	**Item:** **Ethernet Cable, 5E Patch Cord, 5 ft., Gray** **Part #:** CAT5-05-GRY **Supplier:** SF Cable **Where to get more:** No specific source.	1	
☐ **Yellow Tote** Bag 6	**Item:** **Triangle Packet** **Part #:** Assorted **Supplier:** Triangle Manufacturing **Where to get more:** triangleoshkosh.com/en/about/community-involvement/first-robotics	1	
☐ **Yellow Tote** Bag 6	**Item:** **ONE-WRAP Roll, 9 ft. x 3/4 in., Red or Green** **Part #:** 247885 or 247886 **Supplier:** Velcro **Where to get more:** No specific source has been identified.	1	
☐ **Yellow Tote** Bag 7	**Item:** **Scotch-Weld Plastic & Rubber Instant Adhesive** **Part #:** PR100 **Supplier:** 3M **Where to get more:** No specific source.	1	
☐ **Yellow Tote** Bag 7	**Item:** **Scotch-Weld Rubber Adhesive** **Part #:** CA8 **Supplier:** 3M **Where to get more:** No specific source.	1	
☐ **Yellow Tote** Bag 7	**Item:** **Copper Compression Lug, 6 AWG, 1/4 in. Stud, Tin Plated** **Part #:** YAZV6CTC14FX **Supplier:** BURNDY **Where to get more:** www.burndy.com or www.andymark.com	1	
☐ **Yellow Tote** Bag 7	**Item:** **Latex Tubing, 5 ft. length** **Part #:** K-100 **Supplier:** Kent Elastomer **Where to get more:** No specific source.	2	

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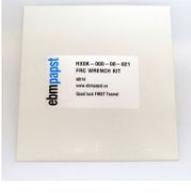| Container	Item Information	Qty	Photo
☐ **Yellow Tote** Bag 7	**Item:** **Flat Cable, 2 wire, 28 AWG, F/F** **Part #:** PX600-1 **Supplier:** SDSHobby **Where to get more:** No specific source.	5	
☐ **Yellow Tote** Bag 7	**Item:** **Flat Cable, 3 wire, 22 AWG, F/M** **Part #:** PXFJ1000-1 **Supplier:** SDSHobby **Where to get more:** No specific source.	8	
☐ **Yellow Tote** Bag 7	**Item:** **Flat Y-Cable, 3 wire, 22 AWG, F/MM** **Part #:** PXY300-2 **Supplier:** SDSHobby **Where to get more:** No specific source.	2	
☐ **Yellow Tote** Bag 8	**Item:** **Voucher: Leonardo++ Microcontroller** **Part #:** N/A **Supplier:** 16hertz LLC **Where to get more:** Redeem at www.16hertz.com	1	
☐ **Yellow Tote** Bag 8	**Item:** **VHB Tape Roll, Black, 1/2 in. x 36 yd.** **Part #:** 5952 or 70006291440 **Supplier:** 3M **Where to get more:** No specific source.	1	
☐ **Yellow Tote** Bag 8	**Item:** **Autodesk Postcard** **Part #:** N/A **Supplier:** Autodesk **Where to get more:** Not available	1	
☐ **Yellow Tote** Bag 8	**Item:** **Voucher: $30 at AutomationDirect.com** **Part #:** N/A **Supplier:** AutomationDirect **Where to get more:** Redeem at www. AutomationDirect.com	1	

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Container	Item Information	Qty	Photo
Yellow Tote Bag 8	**Item:** **E-Stop Sticker** **Part #:** N/A **Supplier:** D3 Synergy Graphics **Where to get more:** Not available	2	
Yellow Tote Bag 8	**Item:** **Voucher: $50 at Digi-Key and Sticker** **Part #:** N/A **Supplier:** Digi-Key **Where to get more:** Redeem at digikey.com/first	1	
Yellow Tote Bag 8	**Item:** **ECIA Sticker Sheet** **Part #:** N/A **Supplier:** ECIA **Where to get more:** Not available	1	
Yellow Tote Bag 8	**Item:** **Scholarship Information Packet** **Part #:** N/A **Supplier:** FIRST **Where to get more:** Not available	1	
Yellow Tote Bag 8	**Item:** **GitHub Folder** **Part #:** N/A **Supplier:** GitHub **Where to get more:** www.education.github.com	1	
Yellow Tote Bag 8	**Item:** **Voucher: $35 at MaxBotix Inc.** **Part #:** N/A **Supplier:** MaxBotix Inc. **Where to get more:** Redeem at www.maxbotix.com/frc.htm	1	
Yellow Tote Bag 8	**Item:** **NKK Switches Postcard** **Part #:** N/A **Supplier:** NKK Switches **Where to get more:** Not available	1	

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Container	Item Information	Qty	Photo
☐ **Yellow Tote** Bag 8	**Item:** PTC IoT Academic Program Flyer **Part #:** N/A **Supplier:** PTC **Where to get more:** Not available	1	
☐ **Yellow Tote** Bag 8	**Item:** "more than robots" Sticker **Part #:** N/A **Supplier:** Robo Promo **Where to get more:** Not available	1	
☐ **Yellow Tote** Bag 8	**Item:** RoboPromo Material Sample **Part #:** N/A **Supplier:** Robo Promo **Where to get more:** Not available	1	
☐ **Yellow Tote** Bag 8	**Item:** Sapa Aluminum Information Sheet & Sticker **Part #:** N/A **Supplier:** Sapa **Where to get more:** Not available	1	
☐ **Yellow Tote** Bag 8	**Item:** SolidWorks Bookmark & Sticker **Part #:** N/A **Supplier:** SolidWorks **Where to get more:** Not available	1	
☐ **Yellow Tote** Bag 8	**Item:** LaunchPad Info & Sticker Sheet **Part #:** N/A **Supplier:** Texas Instruments **Where to get more:** Not available	1	
☐ **Yellow Tote** Bag 8	**Item:** WPILib Bumper Sticker **Part #:** N/A **Supplier:** WPI **Where to get more:** Not available	1	

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Container	Item Information	Qty	Photo
Yellow Tote N/A	**Item:** **Tags** **Part #:** 9001-16 **Supplier:** American Casting & Manufacturing **Where to get more:** http://www.americancasting.com/info-plastic-strap-seals-9001.asp	10	
Yellow Tote N/A	**Item:** **Battery Connector** **Part #:** SB50 or am-0339 **Supplier:** Anderson Power Products **Where to get more:** www.andymark.com	3	
Yellow Tote N/A	**Item:** **Gearmotor (PG71 gearbox + RS775 motor + encoder)** **Part #:** am-2971 **Supplier:** AndyMark **Where to get more:** www.andymark.com	1	
Yellow Tote N/A	**Item:** **Power Distribution Panel** **Part #:** CTRE_PDP_1 **Supplier:** Cross the Road Electronics **Where to get more:** www.crosstheroadelectronics.com, www.andymark.com, or www.vexpro.com	1	
Yellow Tote N/A	**Item:** **FRC Wrench Kit** **Part #:** HX0K-000-00-021 **Supplier:** ebm papst **Where to get more:** Not available	1	
Yellow Tote N/A	**Item:** **FedEx Envelope** **Part #:** N/A **Supplier:** FedEx **Where to get more:** Not available	1	
Yellow Tote N/A	**Item:** **Xtreme N Duo Wireless Bridge/ Access Point** **Part #:** DAP-1522 or am-0839 **Supplier:** GovConnection **Where to get more:** www.andymark.com	1	

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Container	Item Information	Qty	Photo
Yellow Tote N/A	**Item:** **igus Bag (assorted igubal, iglide, Drylin, and Energy Chain products)** **Part #:** assorted **Supplier:** igus **Where to get more:** http://www.igus.com/wpck/4856	1	
Yellow Tote N/A	**Item:** **CIM Motor** **Part #:** 217-2000 **Supplier:** Innovation First **Where to get more:** www.vexpro.com	2	
Yellow Tote N/A	**Item:** **Robot Bag** **Part #:** 114200 **Supplier:** IPS Packaging **Where to get more:** No specific source.	2	
Yellow Tote N/A	**Item:** **NI roboRIO for FRC** **Part #:** 155213D-01L **Supplier:** National Instruments **Where to get more:** www.andymark.com	1	
Yellow Tote N/A	**Item:** **Robot Signal Light** **(i.e. Panel Signal Device)** **Part #:** 855PB-B12ME522 **Supplier:** Rockwell Automation **Where to get more:** Find distributors at www. rockwellautomation.com	1	
Yellow Tote N/A	**Item:** **LaunchPad Evaluation Kit** **Part #:** MSP-EXP430F5529LP **Supplier:** Texas Instruments **Where to get more:** http://www.ti.com/tool/ msp-exp430f5529lp	1	
Yellow Tote VexPro Kit	**Item:** **BAG Motor** **Part #:** 217-3351 **Supplier:** Innovation First **Where to get more:** www.vexpro.com	1	

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Container	**Item Information**	**Qty**	**Photo**
☐ **Yellow Tote** VexPro Kit	**Item:** **CIM Motor** **Part #:** 217-2000 **Supplier:** Innovation First **Where to get more:** www.vexpro.com	**2**	
☐ **Yellow Tote** VexPro Kit	**Item:** **miniCIM Motor** **Part #:** 217-3371 **Supplier:** Innovation First **Where to get more:** www.vexpro.com	**1**	