BE A GAME CHANGER
Kit of Parts

Ted Hood
FRC Kit of Parts Engineer
FRC Kit of Parts 101

• Team
• Overview
• Kickoff Kit
• FIRST Choice
• Virtual Kit
• Feedback
• Resources
Team

- Kate Pilotte, Senior KOP Manager
  - KOP since 2006
  - Proud of the flexibility, but…
  - Embarrassed by complexity
  - FTA
    - kpilotte@firstinspires.org

- Ted Hood, KOP Engineer
  - KOP since 2018
  - Veteran United States Air Force
  - Former Senior Mentor
  - FTA/Inspector
    - thood@firstinspires.org
Overview

1) Kickoff Kit

2) FIRST Choice

3) Virtual Kit

https://www.firstinspires.org/robotics/frc/kit-of-parts

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Kickoff Kit

A box of parts delivered to teams at the start of the season...

- Used to be… everyone got the exact same set of stuff
- Now… categories based on team status, selection

Everyone Tote  Rookie Tote  Drive Base Kit/Voucher  Other...

OR  US$450

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Kickoff Kit

• A couple takeaways…

AndyMark Voucher

US$450

FIRST Choice

US$450

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Kickoff Kit

Helpful Information

• Information on how to use items can be found on our Screensteps repository
• Some items in Kickoff kit are tied to vouchers (See Catalog)
• Teams are provided with estimated sizing and weight prior to Kickoff
• Checklists are available on the Kit of Parts Website
  • Checklists are broken down by tote
  • Item Description, Supplier Name, Part Number, Qty, Where to get more, and Picture
Kickoff Kit – Uh Oh…

• We want to know if something’s missing/damage!
• Done in the team’s registration account by Lead Coach/Mentor 1 or 2.

*screenshots from 2018 season*
FIRST Choice

Items available via an online menu in exchange for credits issued to all teams...

- Online at: www.firstchoicebyandymark.com
- AndyMark creates an account for each team
- Passwords in the team’s registration account
  - Registered teams can create priority lists
  - Processed/orders only ship to secured teams
- Every team is issued the same number of credits
- Non-transferable, worth no actual dollars.
- Teams are responsible for shipping, duties, taxes
**FIRST Choice**

- **Priority Lists**
  - At their leisure, but within a window, team populates their list
    - Option to use a default list and build from there.
  - Recommended that teams put items more on their list than credits they have
  - At a specific date/time, lists are locked and auto submitted
  - AndyMark uses an algorithm to process lists, assigning items to teams
  - Unused credits rollover between states, but not between seasons
  - Team receives an email with their loot and AndyMark starts shipping.
**FIRST Choice**

- There are 3 states of **FIRST** Choice
  - Open for Priority Lists (Two Rounds)
    - Round 1 is before Kickoff
    - Round 2 opens at Kickoff
    - Credits are added to every team between rounds
  - Open for Normal Ordering (After Round Two)
    - First come, first serve
    - Like a normal website, but with credits instead of dollars
    - Add what you want to your cart, check out when done (there is a 10 min timeout feature)
  - Closed
    - Before the season
    - Between states
    - After the season
Virtual Kit

Products available directly from the Supplier either via download or direct order...

2 Flavors

• Vouchers
  • Variety of ways ($$, parts, set menu of items, etc.)
  • Expiration dates vary!
• Software

• Any codes, license keys needed are available to Lead Mentor/Coach 1 or 2 in their team’s registration account.
Virtual Kit

• What’s public…

<table>
<thead>
<tr>
<th>Thank you</th>
<th>for...</th>
<th>which expires on...</th>
<th>Driver Tools</th>
<th>Control System</th>
<th>Electrical Supplies</th>
<th>Pneumatics</th>
<th>Sensors</th>
<th>Shop Materials/Tools</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>AndyMark</td>
<td>$450.00</td>
<td>4/15/20</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Arnbrot</td>
<td>RS7 encoder</td>
<td>4/26/20</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>AutomationDirect</td>
<td>$35.00</td>
<td>10/31/20</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td></td>
</tr>
</tbody>
</table>

Clipped

Digi-Key Electronics

What: $50.00 worth of components from Digi-Key's webpage

- Good for one time use. Any amount not utilized in your initial transaction will be forfeited.
- Taxes not included.

• What’s private…

PRODUCT

< Back to Dashboard

Kick & Kickoff

Replacement Parts

Passwords/Voucher Codes

<table>
<thead>
<tr>
<th>Item</th>
<th>Team #</th>
<th>Name</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5482</td>
<td>RoboGal</td>
<td>FIRST Robotics Competition</td>
</tr>
</tbody>
</table>

- Album
- American Button Machines
- Arnbrot
- Automation Direct
- Birba

Access Codes: Available to Lead Mentors 1 & 2 in the team’s registration account and the 2020 Virtual Kit Catalog in your Kickoff Kit

To Access:
- Simply visit Clipboard.com to select your products.
- PLEASE NOTE: You must create an account AND be logged in for the voucher to be validated.

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Feedback

• From teams
  • At events
  • Survey
    • 688 Responses

• From Community
  • Strategy Session

• From you… Email: frcparts@firstinspires.org

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Resources
• KOP Webpage:
  • Programs > FIRST Robotics Competition > Game & Season > Kit of Parts
    • https://www.firstinspires.org/robotics/frc/kit-of-parts
  • Screensteps: https://wpilib.screenstepslive.com/s/currentCS/m/kop
  • FIRST Choice
  • Https://firstchoicebyandymark.com
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Thank you and have a great