# Introduction to BOOST

By Sanjay and Arvind Seshan

# About Boost

- **What is BOOST?**

- BOOST Creative Toolbox is a new product by LEGO(R) is for ages 7 and up. Like MINDSTORMS, BOOST has a programmable Hub, which connects via Bluetooth LE to a tablet (iOS/Android).

- Your kit comes with the following electronics:
  - Move Hub (With 2 encoded motors)
  - 1 Additional Encoded Motor
  - 1 Color/Distance Sensor Combination

- It also includes:
  - 1 Poster
  - Playmat for Testing Programs
  - 844 Extra LEGO Brick Assortment

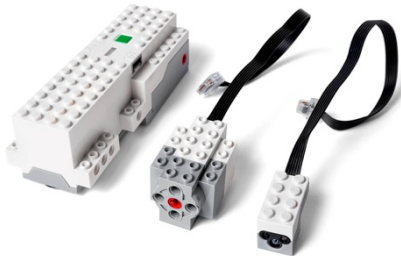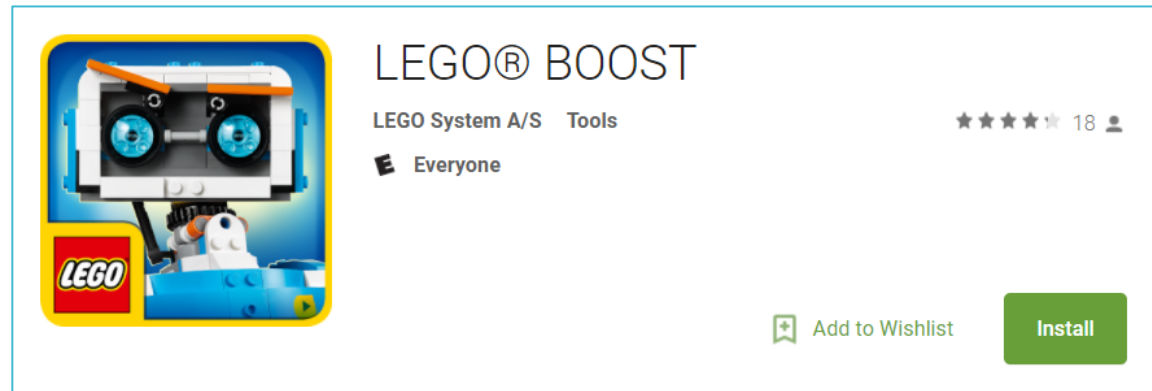- You will need 6 AAA batteries to power the BOOST

Image Credit: LEGO

# Installing the Software



- The BOOST only supports Android 5.1.1+ and iOS 10+ Tablets (as of 2017)

- To download the app, click on the links below:
  - Android: https://play.google.com/store/apps/details?id=com.lego.boost.boost#xlink
  - iOS: https://itunes.apple.com/app/lego-boost/id1217385613#xlink

- If you are using a PC/Mac, you can try this project: http://www.android-x86.org/ to install the app.

# Build your Robot



Image Credit: LEGO

- Start by building the "Getting Started Vehicle"

- The App contains the Build Instructions for each of the models.

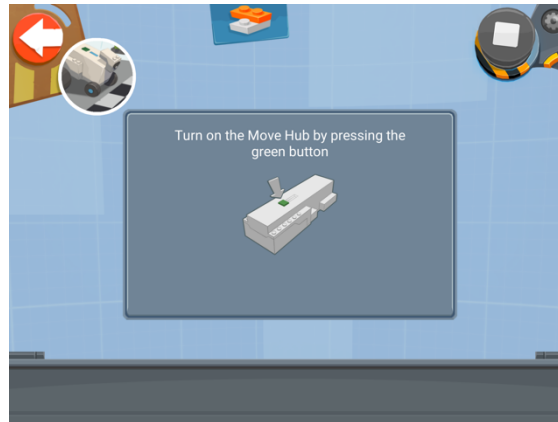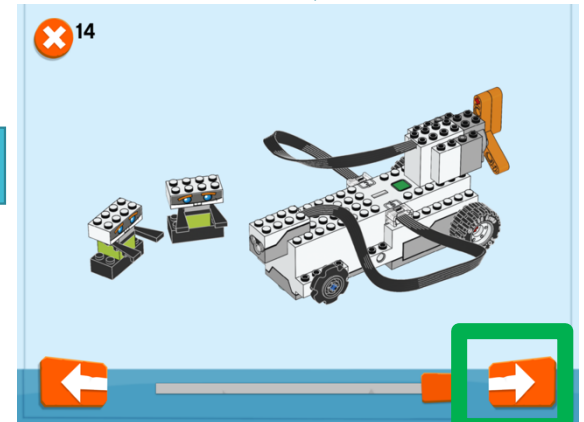- Alternatively, you can use the PDF instructions available here: http://www.boostlessons.com/robots.html

# Connect to your BOOST



Click on your robot



Select the first option



Press the green button on the hub

Turn on the Move Hub by pressing the green button



Build your robot, or if you already have built one, skip to the last page. Click next.

- Once your robot is built, follow the instructions on the screen and connect to your BOOST Hub

# Now you are ready to start programming!

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# Credits

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- Photo Credits: LEGO, Screenshots taken from the LEGO BOOST App