

Some Tricks and Tips for getting the kids up to speed

Thomas Weeks <tweeks-homework@theweeks.org>

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To: tom-n-teri-hs@theweeks.org <tom-n-teri-hs@theweeks.org>; gray@smidgeware.com <gray@smidgeware.com>; theohanians@verizon.net <theohanians@verizon.net>; war4jd@gmail.com <war4jd@gmail.com>; leeannfh@hotmail.com <leeannfh@hotmail.com>; jsh_jr@hotmail.com <jsh_jr@hotmail.com>; danpro3@gmail.com <danpro3@gmail.com>; itti_bitti@yahoo.com <itti_bitti@yahoo.com>;

Cc: tweeks-homework@theweeks.org <tweeks-homework@theweeks.org>;

Parents.. please let your kids watch some of these great tutorial videos on the robots they will be designing.

These are some categorized videos I dug up that the kids can look over for both project refining and robot design ideas.

Refining Projects:

<https://www.youtube.com/watch?v=IXunj0FOmhU>

2015 FL Mission Strategies:

All Missions - https://www.youtube.com/watch?v=DY_ot_KikSQ

Demolition - <https://www.youtube.com/watch?v=xlQuRggmyg0>

Scrap Car - <https://www.youtube.com/watch?v=ERr-ZTjTAQY>

Composting - <https://www.youtube.com/watch?v=BVnL9g5oMaQ>

Toy Factory - <https://www.youtube.com/watch?v=racsFDwkFwYU>

Transport (Truck) - <https://www.youtube.com/watch?v=XcpFtpQ8lww>

Using the EV3 Brain:

<https://www.youtube.com/watch?v=cMG2LHQzerA>

Bot Drive Train Design:

<https://www.youtube.com/watch?v=dwnPIRA4rA>

Bot Wheel Differences & Design:

<https://www.youtube.com/watch?v=jqA-TZX1BQ0>

Wheel Size - <https://www.youtube.com/watch?v=URfX7f3xf4>

<https://www.youtube.com/watch?v=fwhDdLPmogE>

Wheel Slop - <https://www.youtube.com/watch?v=I3RidtCDjtY>

Sensor Placement Design:

<https://www.youtube.com/watch?v=dB0IMHy5ESI>

Basic Attachments:

<https://www.youtube.com/watch?v=qWHIsD4Bu5o>

Gears:

Overviews - <https://www.youtube.com/watch?v=7nTkU7ccKbY>

Dog Ears - <https://www.youtube.com/watch?v=NZbt3tnySyl>

Linear Actuators - <https://www.youtube.com/watch?v=q5b-uP05ELA>

Light Sensors:

HiTechnic Color Sensor - <https://www.youtube.com/watch?v=fzWSNL-sroc>

Line Following - <https://www.youtube.com/watch?v=tViA21Y08cU>

<https://www.youtube.com/watch?v=n3HrnskQ92E>

Line Squaring - <https://www.youtube.com/watch?v=82EaySXvta0>

Programming Tips:

Constants & Variables - <https://www.youtube.com/watch?v=Nd37Non13bA>

Arrays - <https://www.youtube.com/watch?v=9sE97-y-ZMo>

Special Pieces:

<https://www.youtube.com/watch?v=LhiDVQY3XrY>

See you Friday!

Tweaks