

LEGO EV3

REFERENCES

CONSTRUCTOPEDIAS

These are resources covering construction and design basics – the mechanics of how LEGO works, and some helpful tips on how to solve common building problems.

- **LEGO Engineering** – NXT Constructopedia (PDF):
<http://www.legoengineering.com/nxt-constructopedia/>
- **LEGO Education** – Gears & Pulleys:
<http://education.lego.com/en-us/preschool-and-school/secondary/11plus-machines-and-mechanisms/constructopedia>

PROGRAMMING TUTORIALS

These are some excellent video tutorials and references for using the LEGO EV3 Programming suite.

- **STEMcentric EV3 Tutorials** (I highly recommend this resource!) – Essentials & Advanced (videos):
<http://www.stemcentric.com/ev3-tutorial/>
- **Carnegie Mellon Robotics** – Intro to Programming (PDF):
<http://www.education.rec.ri.cmu.edu/content/lego/ev3/files/EV3%20teachers%20guideWEB.pdf>
- **FIRST LEGO League** (meant for FLL coaches, but a good overview and reference source) – EV3 Programming reference (PDF):
<http://www.firstlegoleague.org/sites/default/files/Challenge/TeamResources/NaturesFury/2013EV3Programming.pdf>
- **LEGO EV3 Software Download** – not quite the same as what you use in class, but you may find it useful to practice:
<http://www.lego.com/en-us/mindstorms/downloads/software/ddsoftwaredownload/>