

Suggested Drone Topics for STEM Curriculum: Basic/Advanced terms, Videos, Articles

<<<<<<<<<<<>>>>>>>>>> *Maybe U818A best for Grades 3,4,5* <<<<<<<<<<<>>>>>>>>>>

Teaching for future careers: (UDI 818A Quadcopter “updated”) <http://bestreviews.com/5-best-drones>

Concepts: Weight, Lift, Drag, Thrust (Tap **Find Out**) → <http://howthingsfly.si.edu/> & *Be challenged*

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Drone View (Tap >Right) → Business, Industry, more for Drones! <http://www.droneviewtech.com/welcome>

Imagine future (Scroll Down): <http://commoncore.scholastic.com/sites/default/files/Drones%20Take%20Off.pdf>

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Basic flight Dynamics: Roll, Pitch, Yaw <http://howthingsfly.si.edu/flight-dynamics/roll-pitch-and-yaw>

More Basics (R, P, Y) & related terms: <http://dronelife.com/2014/09/29/drone-definitions-learning-uas/>

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<https://www.youtube.com/watch?v=w2itwFJCgFQ> <https://www.youtube.com/watch?v=lbrBgG3fn0Y>

← YouTube Videos of Drone flying →

<https://www.youtube.com/watch?v=AoPiLg8DZ3A> <https://www.youtube.com/watch?v=yHjwfQTwdtY>

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<http://www.top10drone.com/top-10-best-drone-video-footage-cities-2015/> *Beautiful overviews of cities!*

<http://www.smithsonianmag.com/ist/?next=/travel/most-beautiful-drone-travel-videos-2014-180953650/> *Terrific Views!*

===== *Articles below are ideas on how to integrate drones into curriculum.* =====

Showcase Drones: <http://knoxville.citymomsblog.com/tates-middle-school-students-soar-with-new-drone-curriculum/>

Eutopia Drone Uses: <http://www.edutopia.org/blog/7-ways-use-drones-classroom-heather-wolpert-gawron>

Drones 4 Schools: <http://robohub.org/drones-for-schools/> & <http://www.edudemic.com/drones-classroom-can-happen/>

Urge Kids to investigate for future: <http://www.theoaklandpress.com/article/OP/20150428/NEWS/150429406>

Investigate Technology Integration: <https://www.teachingchannel.org/blog/2014/04/23/make-stem-come-alive/>

Robotics, Drones, 3D Printing, Rovers, STEM to promote the future: <http://tech-labs.com/products/stem>

Drone summer camp shows a peek into future: <http://news.rice.edu/2015/08/14/flying-toward-the-future/>

Building Models with 3D Printers: <https://opensource.com/education/15/9/apps-bots-and-education>

STEM: <https://gigaom.com/2013/12/12/how-robots-can-teach-children-math-and-inspire-interest-in-the-stem-fields/>

NASA Basics: <https://www.grc.nasa.gov/www/k-12/UEET/StudentSite/dynamicsofflight.html#contolflight>

<<<<<<<<<<<>>>>>>>>>> Coding: Definitely for Grades K,1,2 *Computer Science Enhancements* <<<<<<<<<<<>>>>>>>>>>

Block Coding activities for Problem Solving & Logic Thinking Code School: code.org

Web Site for Registration of Drone(s): <http://federaldroneregistration.com/>