

## Helping Kids Reach for the Stars - Web Links

*This listing is to assist teachers in lesson planning. It is not an endorsement of these sites. Please check validity and content before sharing with your students.*

Tie the lessons below to the **Reach for the Stars Rocket Competition** for learning your students will never forget. *Everyone remembers their first rocket launch!*

*Jack & Kathy Colpas, [www.TheRocketman.net](http://www.TheRocketman.net)*

**Estes Educator** – FREE Rocket Lab Lesson Plans / Grades 3 – 12

1 day, 2 day & 3 day lesson plans / Science, Technology, Math, Language Arts, Social Studies

**“All specifically matched to National Learning Standards.”**

<http://www2.estesrockets.com/cgi-bin/WEDU100P.pgm>

**Rockets - an Educators Guide** - NASA - includes **National Math & Science Standards**

[http://www.nasa.gov/pdf/153411main\\_Rockets\\_Intro\\_Pages.pdf](http://www.nasa.gov/pdf/153411main_Rockets_Intro_Pages.pdf)

**Beginners Guide to Aeronautics** (NASA – self guided tour)

<http://www.grc.nasa.gov/WWW/K-12/airplane/guided.htm>

**Model Rocketry - STEM Based Curriculum** from NAR

[http://www.nar.org/pdf/STEM-TARC%20Model%20Rocketry%20Curriculum%20\(Sarradet\).pdf](http://www.nar.org/pdf/STEM-TARC%20Model%20Rocketry%20Curriculum%20(Sarradet).pdf)

**History of Rocketry - National Science & History Standards** included - NASA / JPL

[http://genesission.jpl.nasa.gov/educate/scimodule/LaunchPropulsion/LP\\_PDFs/B9TGhistoryofrocketry.pdf](http://genesission.jpl.nasa.gov/educate/scimodule/LaunchPropulsion/LP_PDFs/B9TGhistoryofrocketry.pdf)

**NASA – Rocket Index**

<http://exploration.grc.nasa.gov/education/rocket/shortr.html>

**Rocket Modeler II** – computer simulator

<http://exploration.grc.nasa.gov/education/rocket/BottleRocket/RM2.html>

**Homer Hickam’s - Rocket Boys / October Sky** teacher resources

- Great for team teaching!

[http://www.homerhickam.com/educators/cw\\_plans.shtml](http://www.homerhickam.com/educators/cw_plans.shtml)

**Aerodynamics** “great teaching resource” - includes **International Education Standards**

<http://msteacher.org/epubs/technology/technology2/technology.aspx>

**Web Quests**

<http://www.myteachertools.com/webquests.php>

**Encyclopedia Astronautica** "...the planet's best online space history resource..."

<http://www.astronautix.com>

Build Your Own **Altitude Tracker** from NASA

[http://www.grc.nasa.gov/WWW/k-12/TRC/Rockets/altitude\\_tracking.html](http://www.grc.nasa.gov/WWW/k-12/TRC/Rockets/altitude_tracking.html)