

Upper Grades

<https://mathcounts.org/sslpage.aspx>

Math Counts puts together competitions at the local, state and national levels to challenge students mathematically. It also has a free club program that schools can take part in. The website provides challenging problems that could be used for enrichment in the upper grades.

<http://go.hrw.com/math/midma/gradecontent/manipulatives/GraphCalc/graphCalc.html>

Simple online graphing calculator tool

<https://www.pearsonsuccessnet.com/>

Online companion site to the Prentice Hall middle school textbooks. Account and log-in required, but it has a nice set of features including interactive textbook, creatable online assignments and assessments, demonstration videos and built-in interactive activities.

http://www.themathleague.com/index.php?option=com_content&view=article&id=64&Itemid=67

Help Reference page of the Math League website provides basic descriptions of math concepts related to grades 4-8.

<http://www.cut-the-knot.org/pythagoras/index.shtml>

This site dissects proofs of the Pythagorean Theorem visually.

<http://www.geogebra.org/cms/>

This website offers free mathematics software for teaching and learning. It includes interactive graphics, algebra and spreadsheets.

[http://www.corestandards.org/assets/CCSI_Mathematics_Appendix_A.pdf](http://www.corestandards.org/assets/CCSSI_Mathematics_Appendix_A.pdf)

This link includes the core curriculum standards for middle school students in Algebra. This link also organizes standards for a non-traditional math curriculum.