###### **Curriculum Connections**

**DHS Library**

**Math** Resources

This pathfinder will be useful in finding math resources and information.

**General-**

* **Mathematics Assessment Project:** Part of the Math Design Collaborative initiated by the Bill & Melinda Gates Foundation, includes well-engineered tools for formative and summative assessment that expose students’ mathematical knowledge and reasoning, helping teachers guide them towards improvement and monitor progress

[**http://map.mathshell.org/index.php**](http://map.mathshell.org/index.php)

**Algebra-**

* **Illuminations:** Quality standards-based resources by NCTM for teaching and learning mathematics, including interactive tools for students and instructional support for teachers

[**http://illuminations.nctm.org**](http://illuminations.nctm.org)

* **TeAchnology:** Free lesson plans from TeAchnology, a site dedicated to improving the education of today’s students

[**http://teach-nology.com/teachers/lesson\_plans/math/algebra/**](http://teach-nology.com/teachers/lesson_plans/math/algebra/)

* **Math Forum:** Lesson plans for teaching algebra

<http://mathforum.org/algebra/alg.units.html>

* **KUTA Software:** Free test and worksheet generator for teachers

<http://kutasoftware.com/free.html>

## Geometry-

* **Illustrative Mathematics:** Carefully vetted resources for teachers and teacher leaders to give students an understanding of mathematics and skill in using mathematics

[**https://www.illustrativemathematics.org/content-standards/HS**](https://www.illustrativemathematics.org/content-standards/HS)

* **Math is Fun:** Offers mathematics in an enjoyable and easy-to-learn manner to show students that mathematics is fun

[**http://www.mathsisfun.com/geometry/index.html**](http://www.mathsisfun.com/geometry/index.html)

* **Geometry Games:** Shape and spatial games to reinforce geometry skills

[**http://www.apples4theteacher.com/math.html**](http://www.apples4theteacher.com/math.html)

## Trigonometry-

* **Brightstorm:** High school age curriculum with video library

[**https://www.brightstorm.com/math/trigonometry/**](https://www.brightstorm.com/math/trigonometry/)

* **Khan Academy:** Khan Academy offers practice exercises, instructional videos, and a personalized learning dashboard that empower learners to study at their own pace in and outside the classroom.

[**https://www.khanacademy.org/math/trigonometry**](https://www.khanacademy.org/math/trigonometry)