



1

Bump Up Pacing Guide Differentiation Log

Unit: _____ Lesson: _____	Date: _____	Grouping of Advanced Students <input type="checkbox"/> Whole Class <input type="checkbox"/> Flexible Group <input type="checkbox"/> Individual
Standard(s) for Today's Lesson		
Standard(s) <input type="checkbox"/>		
Differentiation		
Content From a Supplemental Source	Differentiation of the Standard Selected Above	Alternative Standard
Topic: _____ Source: _____ DOK Level 3 __ or Level 4 __? Brief description of differentiated activity:	<input type="checkbox"/> Math differentiation option from the textbook for this lesson.* Page ____ Activity Number(s) _____ DOK Level 3 __ or Level 4 __? and/or <input type="checkbox"/> DoK Differentiated to: Level 3 __ Level 4 __? Brief description of differentiated activity:	Grade __ Standard _____ DOK Level 3 __ or Level 4 __? Brief description of differentiated activity:
Other/Notes		

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William & Mary Math Units




Grade	K-1	2	3	4	5	6
Thinking Like A Mathematician			x			
Concept-Based Units						
Splash	x					
Spatial Reasoning		x	x	x		
Polygons Galore!			x	x	x	
Beyond Base Ten			x	x	x	x
Moving Through Dimensions						6-8
Math Curriculum for Gifted Students			x	x	x	x

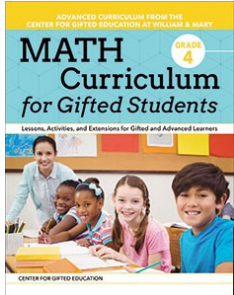
<https://education.wm.edu/centers/cfge/curriculum/mathematics/materials/index.php>

3

3

Math Curriculum for Gifted Students



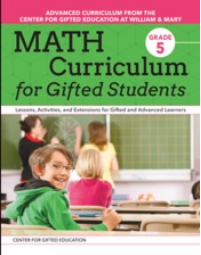


ADVANCED CURRICULUM FROM THE CENTER FOR GIFTED EDUCATION AT WILLIAM & MARY

MATH Curriculum for Gifted Students

Lessons, Activities, and Extensions for Gifted and Advanced Learners

CENTER FOR GIFTED EDUCATION



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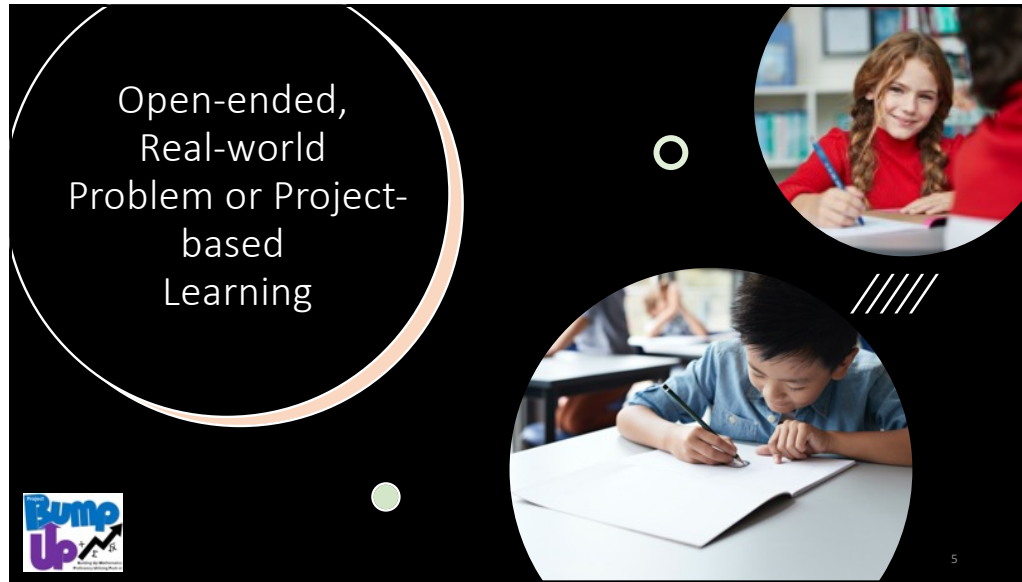
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Open-ended,
Real-world
Problem or Project-
based
Learning




Bump Up

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Real-world Problems



- Familiar or imaginable scenarios
 - Fanciful
 - **Practical**
- Engaging
- Cross-discipline

Bump Up

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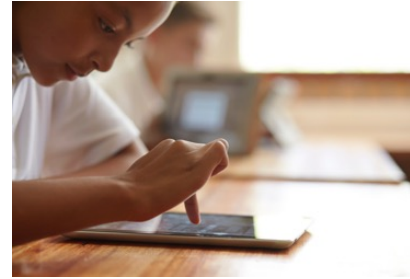
6

Project- and Problem-Based Learning



Both

- Open-ended
- Authentic tasks
- Build 21st century skills
- Longer than usual lessons and assignments



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<https://www.edutopia.org/blog/pbl-vs-pbl-vs-xbl-john-larmer>

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Not necessary to reinvent . . .


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<https://robertkaplinsky.com/lessons/>



What Rides Can You Go On?

How Many Stars Are There In The Universe?

Do You Have Enough Money?


Which Bed Bath & Beyond Coupon Should You Use?

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9

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<https://www.youcubed.org/tasks/>



Tasks

Where do youcubed tasks come from?

Grades: Topics:

36 Fences

Crackers

Taxicab

Exploring Exponents

Penny Collection

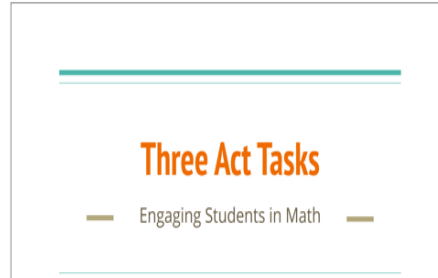
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• <https://hcpss.instructure.com/courses/107/pages/three-act-tasks>
<https://hcpss.instructure.com/courses/166/pages/three-act-tasks>
<https://gfletchy.com/3-act-lessons/>



Act 1: A visual to hook
Act 2: Students estimate reasonable answer
Act 3: The Reveal!