

LA CAÑADA UNIFIED SCHOOL DISTRICT
ASSISTANT SUPERINTENDENT'S OFFICE

TO: Wendy Sinnette
FROM: Anais Wenn
DATE: June 28, 2016
RE: High School Math Textbook Adoptions

Background

Since the adoption of Common Core State Standards, LCUSD has been facing the challenges associated with the lack of math textbooks aligned with Common Core State Standards (CCSS). Though State Board of Education approved textbooks have been available, the quality of those textbooks has been disputed. During the past two years, LCHS Math department members have been reviewing a variety of instructional materials and communicating their findings to site administration. They have come to a conclusion that one of the textbooks, McGraw Hill-Glencoe: Algebra 1, Common Core Edition, meets the needs of our students and teachers and strongly believe that continuing without a textbook will significantly impact student learning.

Current Considerations

The high school math department members have reviewed a variety of textbooks during the past two years and have decided upon:

McGraw Hill-Glencoe: Algebra 1, Common Core Edition for LC Math 1 and LC Math 1 Advanced courses

The textbook will be available for interested parents and community members to review at the District office from June 28 through August 16, 2016.

Financial Implications

We anticipate \$150,000 - \$200,000 for a 2016-17 math adoption.

Recommendation

It is recommended that the Governing Board approve the adoption of McGraw Hill-Glencoe: Algebra 1, Common Core Edition for LC Math 1 and LC Math 1 Advanced courses.



La Cañada High School

4463 Oak Grove Drive, La Cañada Flintridge, California 91011

T. 818.952.4205 F. 818.952.4214

www.lcusd.net

Re: High School Math Textbook Adoption

May 26, 2016

Dear Ms. Sinnett, Mrs. Wenn, School Board Members, and LCHS Administrators,

After several months of extended research and collaboration we, the math department, have determined the best textbook for LC Math 1 and LC Math 1 Advanced is the Glencoe-McGraw Hill Algebra 1 text. We have examined several more textbooks and have included reviews for the UCSMP Algebra 1 and the Big Ideas Algebra 1 textbooks.

Our decision is based on the following criteria:

1. Degree of alignment to the common core standards
2. Meets the course expectations for LC Math 1 and LC Math 1 Advanced
3. Incorporates the Standards for Mathematical Practice throughout
4. An abundance of exercises for differentiated instruction
5. Easy to read for students
6. The availability and quality of teacher, student, and parent resources
7. Cohesive transition into the next sequence of courses, LC Math 2/2 Advanced and LC Math 3/3 Advanced with their Geometry and Algebra 2 textbooks

The Glencoe-McGraw Hill textbook is best suited for the freedom we need to tell our own math story. Our research went beyond just looking at multiple publishers' texts but also discussing the textbook adoption process with teachers from San Marino High School and consulting with Heather Dallas from UCLA and Kathy Pfaendler from TDG.

We hope to move the adoption process forward so that we may begin using the textbook for the 2016-2017 school year. This is an essential piece for our department since it will help unite and ensure cohesion among teachers in the same PLC group, enforce the necessary vertical alignment within the high school, and support the ability for a smooth transition among the new teachers who will teach this course in the upcoming years.

Thank you for your time and consideration.

Respectfully submitted by,

Cindy Calm
La Cañada High School
Math Department Chairman
AP Math Teacher
Pep Squad Advisor

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: LCHS Grade Level: 9-12
 Textbook: CARTER, ALGEBRA I GLENCOE-MCGRAW
Author Title Publisher
CUEVAS, ET AL HILL

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.	✓				
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.		✓			
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.	✓				
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.		✓			
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.	✓				
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.		✓			
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.	✓				
User Friendly Format		✓			
Appropriate for students with special needs and English learners		✓			
Other (specify)					
OVER-ALL RATING OF TEXTBOOK		✓			

COMMENTS: (Use reverse side if necessary.) BEST FIT FOR NEW LC COURSES -

5/20/16 Ccaom CINDY CALM
 Date Signature Print Name

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

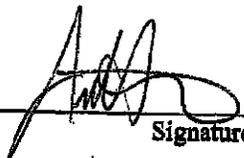
School: LCHS Grade Level: 9-12
 Textbook: Carter et al Alg. 1 Common Core Edition Glencoe / Mc Graw Hill
Author Title Publisher

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.		✓			
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.		✓			
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.	✓	None			
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.		✓			
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.		✓			
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.		✓			
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.		✓			
User Friendly Format	✓				
Appropriate for students with special needs and English learners					
Other (specify)					
OVER-ALL RATING OF TEXTBOOK		✓			

COMMENTS: (Use reverse side if necessary.)

5/20

Date



Signature

Anthony Carrothers

Print Name

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: LCHS Grade Level: 9-12
 Textbook: Carter Cuevas, Glencoe Algebra 1 McGraw-Hill
Author Title Publisher
Day, Malloy, Holliday, Luchin

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.	X				
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.		X			
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.	X				
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.		X			
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.		X			
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.	X				
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.	X	X			
User Friendly Format	X				
Appropriate for students with special needs and English learners		X			
Other (specify)					
OVER-ALL RATING OF TEXTBOOK	X				

COMMENTS: (Use reverse side if necessary.)

5/20/16 noyle Marianne English
 Date Signature Print Name

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: La Cañada High School Grade Level: 9-12
 Textbook: Carter et. al Algebra I Glencoe/McGraw Hill
Author Title Publisher

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.	✓				
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.		✓			
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.		✓			
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.			N/A		
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.			N/A		
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.		✓			
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.		✓			
User Friendly Format	✓				
Appropriate for students with special needs and English learners	✓				
Other (specify) <u>Independence</u> <u>"Readability" for student</u>	✓				
OVER-ALL RATING OF TEXTBOOK		✓			

COMMENTS: (Use reverse side if necessary.)
 • Easily "readable" for students.
 • Exercises are plentiful.

5/20/16 Brian McDermott Brian McDermott
Date Signature Print Name

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: LCMS Grade Level: 9-12
 Textbook: BROWN UNIV. OF CHICAGO MCKERROW HILL/WRIGHT
Author Title Publisher
ET AL ALGEBRA I GROUP

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.			✓		
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.	✓				
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.			✓		
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.			✓		
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.			✓		
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.			✓		
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.	✓				
User Friendly Format			✓		
Appropriate for students with special needs and English learners			✓		
Other (specify)					
OVER-ALL RATING OF TEXTBOOK			✓		

COMMENTS: (Use reverse side if necessary.) WOULD BE A GREAT RESOURCE TO PULL HIGHER LEVEL DOK QUESTIONS

5/20/16 C. Calm CINDY CALM
 Date Signature Print Name

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: LC HS Grade Level: 9-12
 Textbook: Brown et al Univ of Chicago Alg 2 McGraw Hill / Wright Group
Author Title Publisher

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.			✓		
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.	✓				
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.			✓		
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.		✓			
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.			✓		
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.			✓		
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.	✓				
User Friendly Format			✓		
Appropriate for students with special needs and English learners			✓		
Other (specify)					
OVER-ALL RATING OF TEXTBOOK			✓		

COMMENTS: (Use reverse side if necessary.)

5/20/16
Date


Signature

Anthony Carrothers
Print Name

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: La Cañada HS Grade Level: 9-12
 Textbook: BROWN Author: ALGEBRA 1 Title: WRIGHT-GROUP Publisher:

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.			✓		
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.	✓				
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.			✓		
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.		✓			
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.			✓		
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.			✓ Not enough problems		
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.	✓ all problems are high level thinking				
User Friendly Format			✓		
Appropriate for students with special needs and English learners				✓	
Other (specify)					
OVER-ALL RATING OF TEXTBOOK					

COMMENTS: (Use reverse side if necessary.)

5/20/16 Date [Signature] Signature DANA LEU Print Name

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: La Cañada High School Grade Level: 9-12
 Textbook: Brown et. al Algebra Univ. of Chicago Math Proj.
Author Title Publisher

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.	✓				
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.	✓				
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.		✓			
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.			N/A		
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.			N/A		
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.		✓			
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.	✓				
User Friendly Format		✓			
Appropriate for students with special needs and English learners		✓			
Other (specify) <u>Independent "Readability" for Student</u>		✓			
OVER-ALL RATING OF TEXTBOOK		✓			

COMMENTS: (Use reverse side if necessary.) *Deeper questioning / exploration are strengths. Less accessible to a variety of students.*

5/20/16 Brian U.A. Brian McDermott
Date Signature Print Name

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: LCMS Grade Level: 9-12
 Textbook: LARSON BIG IDEAS-ALGEBRA | BIG IDEAS LEARN
Author Title Publisher
BOSWELL

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.		✓			
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.			✓		
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.			✓		
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.			✓		
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.			✓		
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.			✓		
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.			✓		
User Friendly Format			✓		
Appropriate for students with special needs and English learners			✓		
Other (specify)					
OVER-ALL RATING OF TEXTBOOK			✓		

COMMENTS: (Use reverse side if necessary.) ALIGNS TO STANDARDS BUT VERY BASIC, SURFACE LEVEL UNDERSTAND

5/20/10 CALM CINDY CALM
 Date Signature Print Name

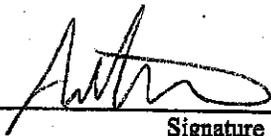
LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: LCHS Grade Level: 9-12
 Textbook: Larson/Boswell Author Big Ideas Alg. 1 Title Big Ideas Learning Publisher

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.		✓			
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.			✓		
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.			✓		
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.		✓	✓		
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.		✓	✓		
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.			✓		
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.			✓		
User Friendly Format			✓		
Appropriate for students with special needs and English learners		✓			
Other (specify)					
OVER-ALL RATING OF TEXTBOOK			✓		

COMMENTS: (Use reverse side if necessary.)

5/20

Anthony Carrothers
 Date Signature Print Name

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: LCHS Grade Level: 9-12
 Textbook: Larson Boswell Big Ideas - Algebra 1 Big Ideas Learning
Author Title Publisher

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.		X			
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.			X		
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.			X		
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.			X		
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.		X			
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.			X		
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.			X		
User Friendly Format			X		
Appropriate for students with special needs and English learners			X		
Other (specify)					
OVER-ALL RATING OF TEXTBOOK			X		

COMMENTS: (Use reverse side if necessary.)

5/20/16
Date

[Signature]
Signature

Marianne English
Print Name

LA CAÑADA UNIFIED SCHOOL DISTRICT

TEXTBOOK RATING FORM

School: La Cañada High School Grade Level: 9-12
 Textbook: Larson, et al Algebra II: Common Core Curriculum Big Ideas Learning
Author Title Publisher

	3 Superior	2 Strong	1 Limited	0 Very Weak	Score
Degree of Alignment to Standards: Rate the degree in which the textbook actually aligns to the CCSS.	✓				
Quality of Explanation of the Subject Matter: Rate how thoroughly the subject matter is explained or otherwise revealed in the textbook.			✓		
Utility of Materials Designed to Support Teaching: Evaluates the potential utility of an object at the intended grade level for the majority of instructors.			✓		
Quality of Assessments: Evaluates materials designed to determine what a student knows before, during, or after a topic is taught.		N/A			
Quality of Technological Interactivity: Rates the degree and quality of the interactivity of that component.		N/A			
Quality of Instruction and Practice Exercises: Evaluates materials that contain exercises designed to provide an opportunity to practice and strengthen specific skills and knowledge.		✓			
Opportunities for Deeper Learning: Think critically and solve complex problems; Work collaboratively; Communicate effectively; Learn how to learn; Reason abstractly; Construct viable arguments and critique the reasoning of others; Apply discrete knowledge and skills to real-world situations; Construct, use, or analyze models.		✓			
User Friendly Format		✓			
Appropriate for students with special needs and English learners		✓			
Other (specify) <i>Independent "Readability" for Students</i>			✓		
OVER-ALL RATING OF TEXTBOOK		✓			

COMMENTS: (Use reverse side if necessary.) *Not rigorous for student population. Difficult to read/process independently.*

5/20/16 Brian McDermott Brian McDermott
Date Signature Print Name