

REQUEST FOR BOARD APPROVAL OF SUPPLEMENTAL MATERIALS

Prior to submission, be sure to check DestinyWeb to see if requested item is board approved. If it is, please use Form TXT1002

Requestor

Contact Name	<u>Dr. Kristina Allen</u>	School/Department	<u>Science/Curriculum Department</u>
Contact Phone	<u>520-225-4935</u>	Contact E-Mail	<u>Kristina.allen@tusd1.org</u>
Teacher	_____	Principal/Dept Head	<u>Dr. Clarice Clash</u>

Material Requested

Title	<u>Plate Tectonics</u>	Quantity Requested	<u>50</u>
Publisher	<u>LAB-AIDS</u>	Unit Cost	<u>\$2080.11</u>
Author(s)	<u>SEPUP, Lawrence Hall of Science at Berkeley</u>	Estimated Total	<u>\$104005.50</u>
Edition	<u>2nd</u>	ISBN	<u>978-1-60301-595-0</u>

Course Information

Course Science - 7th grade general **Grade Level(s)** 7th **% of Classroom Usage?** 100

Board Meeting Information

Who will be present for Questions at Board Meeting? Dr. Clarice Clash

Purpose To enhance our hands-on/inquiry science through the middle grades

Justification Increased hands-on science with embedded literacy supports will improve student learning and performance for all students

School Principal _____ **Date** _____
Signature

Funding Information

Budget Code _____
Funding Source M & O ALE Deseg Title 1 Other: _____

Program Overview (600 character limit)

The SEPUP program is nationally recognized by Changetheequation.org with the highest possible rating (accomplished) in their STEMWorks database of effective proven programs. The core belief of the program is that science concepts should be taught in the context of an issue the students need to address. They develop information to propose a solution through a series of hands-on inquiry experiences with embedded math and literacy supports that flow naturally from the lesson. Because students are asked for a solution, their recommendation matters and exploring the issue matters to them.

Program of Study (400 character limit)

The Plate Tectonics Unit is aligned with Arizona 7th grade science standards where students explore the structure of the earth and learn how the slow movements of large plates of the earth's surface help shape its features. It is a hands-on, student-centered inquiry program that has all needed materials in an organized cart system, very few consumables and electronic resources.

Justification for Book Request (400 character limit)

This was determined to be the most effective path to increase student learning in middle level science after researching several options. Lead teachers from across the district evaluated and recommended its implementation. Inquiry science helps with student equity by first providing a common experience, leveling the playing field for students with less outside experiences from which to draw.

Description of Text (400 character limit)

In the Plate Tectonics unit, students explore the structure of the earth - the core, mantle, and crust - and learn how the slow movements of large plates of the earth's surface help shape its features, including continents and oceans. They investigate earthquakes and volcanoes as they examine plans to deposit radioactive wastes in areas of relative seismic stability.

District Office Use Only

Elementary/Secondary Leadership	<input type="checkbox"/> Supplemental <input type="checkbox"/> Occasional	
E-Signature _____		Date _____
Curriculum & Instruction	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved	
E-Signature <u>Clarice Clash</u>		Date <u>5/12/17</u>
Finance	<input type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed	
E-Signature _____		Date _____
Teaching & Learning	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved	
E-Signature <u>[Signature]</u>		Date <u>6/12/17</u>
Scheduled Board Meeting Date	_____	

REQUEST FOR BOARD APPROVAL OF SUPPLEMENTAL MATERIALS

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Requestor

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Contact Phone	<u>520-225-4935</u>	Contact E-Mail	<u>Kristina.allen@tUSD1.org</u>
Teacher		Principal/Dept Head	<u>Dr. Clarice Clash</u>

Material Requested

Title	<u>Erosion and Deposition</u>	Quantity Requested	<u>50</u>
Publisher	<u>LAB-AIDS</u>	Unit Cost	<u>\$2364.63</u>
Author(s)	<u>SEPUP, Lawrence Hall of Science at Berkeley</u>	Estimated Total	<u>\$118231.50</u>
Edition	<u>2nd</u>	ISBN	<u>978-1-60301-590-5</u>

Course Information

Course Science - 7th grade general **Grade Level(s)** 7th **% of Classroom Usage?** 100

Board Meeting Information

Who will be present for Questions at Board Meeting? Dr. Clarice Clash

Purpose To enhance our hands-on/inquiry science through the middle grades

Justification Increased hands-on science with embedded literacy supports will improve student learning and performance for all students

School Principal _____ **Date** _____
Signature

Funding Information

Budget Code _____
Funding Source M & O ALE Deseg Title 1 Other: _____

Program Overview (600 character limit)

The SEPUP program is nationally recognized by ChangeTheEquation.org with the highest possible rating (accomplished) in their STEMWorks database of effective proven programs. The core belief of the program is that science concepts should be taught in the context of an issue the students need to address. They develop information to propose a solution through a series of hands-on inquiry experiences with embedded math and literacy supports that flow naturally from the lesson. Because students are asked for a solution, their recommendation matters and exploring the issue matters to them.

Program of Study (400 character limit)

The Erosion and Deposition Unit is aligned with Arizona 7th grade science standards where students investigate the destructive forces of wind, wave and water on landforms as they decide where to build homes. It is a hands-on, student-centered inquiry program that has all needed materials in an organized cart system, very few consumables and electronic resources for teachers and students.

Justification for Book Request (400 character limit)

This was determined to be the most effective path to increase student learning in middle level science after researching several options. Lead teachers from across the district evaluated and recommended its implementation. Inquiry science helps with student equity by first providing a common experience, leveling the playing field for students with less outside experiences from which to draw.

Description of Text (400 character limit)

In the Erosion and Deposition unit, students first investigate the destructive forces of wind, wave and water on landforms as they decide where to build homes. Stream tables and topographic maps are used to study river action and deposition of sediments, and land form contours.

District Office Use Only

Elementary/Secondary Leadership	<input type="checkbox"/> Supplemental <input type="checkbox"/> Occasional	
E-Signature _____		Date _____
Curriculum & Instruction	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved	
E-Signature <u>Clarice Clash</u>		Date <u>5/14/17</u>
Finance	<input type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed	
E-Signature _____		Date _____
Teaching & Learning	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved	
E-Signature <u>[Signature]</u>		Date <u>6/19/17</u>
Scheduled Board Meeting Date		

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Teacher	_____	Principal/Dept Head	<u>Dr. Clarice Clash</u>

Material Requested

Title	<u>Earth in Space</u>	Quantity Requested	<u>50</u>
Publisher	<u>LAB-AIDS</u>	Unit Cost	<u>\$2681.57</u>
Author(s)	<u>SEPUP, Lawrence Hall of Science at Berkeley</u>	Estimated Total	<u>\$134078.50</u>
Edition	<u>2nd</u>	ISBN	<u>978-1-60301-603-2</u>

Course Information

Course Science - 7th grade general **Grade Level(s)** 7th **% of Classroom Usage?** 100

Board Meeting Information

Who will be present for Questions at Board Meeting? Dr. Clarice Clash

Purpose To enhance our hands-on/inquiry science through the middle grades

Justification Increased hands-on science with embedded literacy supports will improve student learning and performance for all students

School Principal _____ **Date** _____
Signature

Funding Information

Budget Code _____

Funding Source M & O ALE Deseg Title 1 Other: _____

Program Overview (600 character limit)

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Program of Study (400 character limit)

The Earth in Space Unit is aligned with Arizona 7th grade science standards where students analyze data and use models to explore Earth's axis tilt and revolution around the Sun. It is a hands-on, student-centered inquiry program that has all needed materials in an organized cart system, very few consumables and electronic resources for teachers and students.

Justification for Book Request (400 character limit)

This was determined to be the most effective path to increase student learning in middle level science after researching several options. Lead teachers from across the district evaluated and recommended its implementation. Inquiry science helps with student equity by first providing a common experience, leveling the playing field for students with less outside experiences from which to draw.

Description of Text (400 character limit)

The Earth in Space unit begins with an exploration of the day-night cycle and Earth's rotation around its axis. Students then analyze data and use models to explore Earth's axis tilt and revolution around the Sun. Finally, students investigate the relationship of the solar and lunar cycles to different calendars and predict how variations in these cycles and axis tilt would impact a planet.

District Office Use Only

Elementary/Secondary Leadership	<input type="checkbox"/> Supplemental <input type="checkbox"/> Occasional	
E-Signature _____		Date _____
Curriculum & Instruction	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved	
E-Signature <u>Clarice Clash</u>		Date <u>5/19/17</u>
Finance	<input type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed	
E-Signature _____		Date _____
Teaching & Learning	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved	
E-Signature <u>[Signature]</u>		Date <u>6/19/17</u>
Scheduled Board Meeting Date _____		

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Teacher	_____	Principal/Dept Head	<u>Dr. Clarice Clash</u>

Material Requested

Title	<u>Ecology</u>	Quantity Requested	<u>50</u>
Publisher	<u>LAB-AIDS</u>	Unit Cost	<u>\$1364.14</u>
Author(s)	<u>SEPUP, Lawrence Hall of Science at Berkeley</u>	Estimated Total	<u>\$68207</u>
Edition	<u>2nd</u>	ISBN	<u>978-1-60301-569-1</u>

Course Information

Course Science - 7th grade general **Grade Level(s)** 7th **% of Classroom Usage?** 100

Board Meeting Information

Who will be present for Questions at Board Meeting? Dr. Clarice Clash

Purpose To enhance our hands-on/inquiry science through the middle grades

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School Principal _____ **Signature** _____ **Date** _____

Funding Information

Budget Code _____

Funding Source M & O ALE Deseg Title 1 Other: _____

Program Overview (600 character limit)

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Program of Study (400 character limit)

The Ecology Unit is aligned with Arizona 7th grade science standards where students model ecological relationships within an ecosystem and investigate ecosystems as they differentiate between observation and inference. It is a hands-on, student-centered inquiry program that has all needed materials in an organized cart system, very few consumables and electronic resources.

Justification for Book Request (400 character limit)

This was determined to be the most effective path to increase student learning in middle level science after researching several options. Lead teachers from across the district evaluated and recommended its implementation. Inquiry science helps with student equity by first providing a common experience, leveling the playing field for students with less outside experiences from which to draw.

Description of Text (400 character limit)

The Ecology unit begins by focusing on what happens when a new species is introduced into an ecosystem. Students consider this issue as they model ecological relationships within an ecosystem. They simulate the effect of competition, predation, and other factors on population size. Next, they investigate local ecosystems as they differentiate between observation and inference.

District Office Use Only

Elementary/Secondary Leadership	<input type="checkbox"/> Supplemental <input type="checkbox"/> Occasional		
E-Signature _____		Date _____	
Curriculum & Instruction	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved		
E-Signature <u>Clarice Clash</u>		Date <u>5/10/19</u>	
Finance	<input type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed		
E-Signature _____		Date _____	
Teaching & Learning	<input type="checkbox"/> Approved <input type="checkbox"/> Not Approved		
E-Signature <u>[Signature]</u>		Date <u>6/19/17</u>	
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Teacher	_____	Principal/Dept Head	<u>Dr. Clarice Clash</u>

Material Requested

Title	<u>Exploring Space</u>	Quantity Requested	<u>50</u>
Publisher	<u>LAB-AIDS</u>	Unit Cost	<u>\$2793.98</u>
Author(s)	<u>SEPUP, Lawrence Hall of Science at Berkeley</u>	Estimated Total	<u>\$139699</u>
Edition	<u>2nd</u>	ISBN	<u>978-1-60301-607-0</u>

Course Information

Course Science - 7th grade general Grade Level(s) 7th % of Classroom Usage? 100

Board Meeting Information

Who will be present for Questions at Board Meeting? Dr. Clarice Clash

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School Principal _____ Signature _____ Date _____

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Budget Code _____

Funding Source M & O ALE Deseg Title 1 Other: _____

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Program of Study (400 character limit)
The Exploring Space Unit is aligned with Arizona 7th grade science standards where students investigate the objects that make up the Solar System in the context of issues related to space exploration. It is a hands-on, student-centered inquiry program that has ll needed materials in an organized cart system, very few consumables and electronic resources for teachers and students.
Justification for Book Request (400 character limit)
This was determined to be the most effective path to increase student learning in middle level science after researching several options. Lead teachers from across the district evaluated and recommended its implementation. Inquiry science helps with student equity by first providing a common experience, leveling the playing field for students with less outside experiences from which to draw.
Description of Text (400 character limit)
In Exploring Space, students investigate the objects that make up the Solar System in the context of issues related to space exploration. They classify space objects based on their characteristics and use models to represent their relative sizes and distances from the Sun. They also learn about technological advances, such as the development of telescope technology and remote sensing.

District Office Use Only			
Elementary/Secondary Leadership	<input type="checkbox"/> Supplemental <input type="checkbox"/> Occasional	E-Signature _____	Date _____
Curriculum & Instruction	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved	E-Signature <u>Clarice Clash</u>	Date <u>5/10/17</u>
Finance	<input type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed	E-Signature _____	Date _____
Teaching & Learning	<input type="checkbox"/> Approved <input type="checkbox"/> Not Approved	E-Signature <u>[Signature]</u>	Date <u>6/1/17</u>
Scheduled Board Meeting Date _____			