

## 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 TXT1003*

**Requestor**

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

**Material Requested**

<b>Title</b> <u>Evolution</u>	<b>Quantity Requested</b> <u>50</u>
<b>Publisher</b> <u>LAB-AIDS</u>	<b>Unit Cost</b> <u>\$1340.28</u>
<b>Author(s)</b> <u>SEPUP, Lawrence Hall of Science at Berkeley</u>	<b>Estimated Total</b> <u>\$67014</u>
<b>Edition</b> <u>2nd</u>	<b>ISBN</b> <u>978-1-60301-573-8</u>

**Course Information**

**Course** Science - 8th grade general      **Grade Level(s)** 8th      **% 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.

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**Program of Study (400 character limit)**

The Evolution Unit is aligned with Arizona 8th grade science standards where students explore key concepts such as natural selection and the role of genetic mutations in the context of considering whether an extinct species should be brought back to life. It is a hands-on inquiry program that has all needed materials in an organized cart system, very few consumables and electronic supports.

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**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.

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**Description of Text (400 character limit)**

Students consider whether an extinct species should be brought back to life as they begin to explore evolution. Students examine fossils as they continue to distinguish between observation and inference. A role play presents the process of natural selection, and the role of genetic mutations. Finally, students evaluate the impact of humans on the extinction and evolution of species.

**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 <i>Clarice Clash</i>		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 <i>[Signature]</i>		Date <u>6/12/17</u>
Scheduled Board Meeting Date		

## REQUEST FOR BOARD APPROVAL OF SUPPLEMENTAL MATERIALS

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**Requestor**

Contact Name <u>Dr. Kristina Allen</u>	School/Department <u>Science/Curriculum Department</u>
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Teacher _____	Principal/Dept Head <u>Dr. Clarice Clash</u>

**Material Requested**

Title <u>Force and Motion</u>	Quantity Requested <u>50</u>
Publisher <u>LAB-AIDS</u>	Unit Cost <u>\$2157.10</u>
Author(s) <u>SEPUP, Lawrence Hall of Science at Berkeley</u>	Estimated Total <u>\$107855</u>
Edition <u>2nd</u>	ISBN <u>978-1-60301-629-2</u>

**Course Information**

Course Science - 8th grade general Grade Level(s) 8th % 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 Force and Motion Unit is aligned with Arizona 8th grade science standards where students investigate concepts related to force and motion in the context of vehicle safety issues. 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)**  
Students investigate concepts related to force and motion in the context of vehicle safety issues. The unit begins with investigations of speed, motion graphs, and the impact of mass and speed on vehicle accidents. Students investigate force, acceleration, mass and friction and are introduced to Newton's Laws of Motion. They apply these concepts to vehicle braking and stopping distances.

**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 <i>Clarice Clash</i>		Date <u>5/19/11</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 <i>[Signature]</i>		Date <u>6/18/11</u>
Scheduled Board Meeting Date _____		

## REQUEST FOR BOARD APPROVAL OF SUPPLEMENTAL MATERIALS

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

**Material Requested**

<b>Title</b>	<u>Genetics</u>	<b>Quantity Requested</b>	<u>50</u>
<b>Publisher</b>	<u>LAB-AIDS</u>	<b>Unit Cost</b>	<u>\$1587.34</u>
<b>Author(s)</b>	<u>SEPUP, Lawrence Hall of Science at Berkeley</u>	<b>Estimated Total</b>	<u>\$79367</u>
<b>Edition</b>	<u>2nd</u>	<b>ISBN</b>	<u>978-1-60301-565-3</u>

**Course Information**

**Course** Science - 8th grade general      **Grade Level(s)** 8th      **% 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 Genetics Unit is aligned with Arizona 8th grade science standards where students explore key Mendelian genetics concepts in the context of considering testing for an inherited condition. 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)

Students consider whether to be tested for a hereditary condition as they explore principles of Mendelian genetics. Laboratory activities and simulations allow students to examine the inheritance of traits through generations. Students investigate heredity among imaginary "critters", pea plants, and humans. Other activities focus on cell division and using DNA to solve real-world problems.

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

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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>Studying Materials Scientifically</u>	Quantity Requested	<u>50</u>
Publisher	<u>LAB-AIDS</u>	Unit Cost	<u>\$2903.53</u>
Author(s)	<u>SEPUP, Lawrence Hall of Science at Berkeley</u>	Estimated Total	<u>\$145176.50</u>
Edition	<u>2nd</u>	ISBN	<u>978-1-60301-613-1</u>

**Course Information**

Course Science - 8th grade general      Grade Level(s) 8th      % 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 \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

**Funding Information**

Budget Code \_\_\_\_\_

Funding Source     M & O     ALE     Deseg     Title 1     Other: \_\_\_\_\_

<b>Program Overview</b> (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.
<b>Program of Study</b> (400 character limit)
The Studying Materials Scientifically Unit is aligned with Arizona 8th grade science standards where students explore unknown substances and separate mixtures using a variety of chemical and physical properties. 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.
<b>Justification for Book Request</b> (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.
<b>Description of Text</b> (400 character limit)
Students investigate the properties of different materials. They identify unknown substances and separate mixtures using a variety of chemical and physical properties, including density. As they learn about hazardous materials and the safety procedures used in handling them, students create similar safety guidelines for working with chemicals in the science classroom.

<b>District Office Use Only</b>			
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			