

Overview

Increasing student achievement and improving teacher performance requires access to high-quality instructional resources and targeted ongoing professional development to help teachers use those resources effectively.

In 2015-2016, the Department (LDOE) will once again offer a blend of in-person and virtual trainings to support educators as they plan, instruct, and assess Louisiana Student Standards. These professional development opportunities will cover a variety of topics related to [ELA](#), [math](#), social studies, science, early childhood education and special education instruction.

2015-2016 Teacher Leader Training and District Opportunities			
2015 Summer Support	<ul style="list-style-type: none"> • Superintendent Collaboration Event & Teacher Leader Summit • Summer Content Institutes • District professional development opportunities 		
2015-2016 Fall, Winter, and Spring Support	<table border="0"> <tr> <td style="vertical-align: top;"> <p><i>In-Person</i></p> <ul style="list-style-type: none"> • Teacher Leader Collaboration Events • Literacy Design Collaborative Sessions • Math Design Collaborative Sessions </td> <td style="vertical-align: top;"> <p><i>Virtual</i></p> <ul style="list-style-type: none"> • Virtual Book Club • Edmodo • Teacher Leader Newsletter • Teacher Support Toolbox </td> </tr> </table>	<p><i>In-Person</i></p> <ul style="list-style-type: none"> • Teacher Leader Collaboration Events • Literacy Design Collaborative Sessions • Math Design Collaborative Sessions 	<p><i>Virtual</i></p> <ul style="list-style-type: none"> • Virtual Book Club • Edmodo • Teacher Leader Newsletter • Teacher Support Toolbox
<p><i>In-Person</i></p> <ul style="list-style-type: none"> • Teacher Leader Collaboration Events • Literacy Design Collaborative Sessions • Math Design Collaborative Sessions 	<p><i>Virtual</i></p> <ul style="list-style-type: none"> • Virtual Book Club • Edmodo • Teacher Leader Newsletter • Teacher Support Toolbox 		

Table of Contents

- [Timeline](#) (p. 2)
- Overview of Professional Development Opportunities
 - [Teacher Leader Summit and the Superintendent Collaboration Event](#) (p. 3)
 - [Summer Content Institutes](#) (p. 4)
 - [LDE Ongoing Professional Development & Virtual Support](#) (p. 5)
- [Appendix A: Detailed descriptions of LDOE professional development opportunities](#) (p. 6-10)
- [Appendix B: LDOE Professional development calendar](#) (p. 11-16)
- [Appendix C: Professional development for purchase](#) (p. 17-19)
- [Appendix D: 2015-16 Summer Content Institutes Allocations Summary](#) (p. 20-22)
- [Appendix E: Cain Center Summer Content Institute Agenda](#) (p. 23-25)
- [Appendix F: Eureka Summer Content Institute Agenda](#) (p. 26-30)
- [Appendix G: Summer Content Institutes Registration Links](#) (p. 31)
- [Appendix H: Sample Certificate of Reimbursement](#) (p. 32)

Please email LouisianaTeacherLeaders@la.gov with any questions related to 2015-16 professional development provided by the Department.

Timeline

Timeline	Department Releases	District/School Action Steps
February 2015	<ul style="list-style-type: none"> 2015-16 PD Calendar 	<ul style="list-style-type: none"> Save the dates for 2015-16 professional development opportunities.
March 2015	<ul style="list-style-type: none"> March 25: Open registration for Superintendent Collaboration Event and Teacher Leader Summit 	<ul style="list-style-type: none"> Create 2015-16 professional development calendar leveraging Teacher Leader and vendor support. Build Teacher Leader cohort.
April 2015	<ul style="list-style-type: none"> April 24: Close registration for Superintendent Collaboration Event and Teacher Leader Summit 	<ul style="list-style-type: none"> Register for Teacher Leader Summit
May 2015	<ul style="list-style-type: none"> Open registration for Summer Content Institutes 	<ul style="list-style-type: none"> Register for Summer Content Institutes. Finalize district professional development calendar.
June 2015	<ul style="list-style-type: none"> June 3-5: Superintendent Collaboration Event and Teacher Leader Summit 	<ul style="list-style-type: none"> June 3-5: Attend Superintendent Collaboration Event and Teacher Leader Summit.

Teacher Leader Summit & Superintendent Collaboration

The 2015 Superintendent Collaboration Event and Teacher Leader Summit will bring together more than 5,000 educators and content experts from across the state to share their knowledge, learn new skills, and prepare for the upcoming 2015-16 school year.

Participants will be able to choose from over [200 sessions](#) covering a variety of topics such as setting goals, planning for and delivering high-quality instruction, assessing, and reflecting on results to foster student and teacher improvement. Sessions will be led by a variety of content experts including but not limited to:

- The Louisiana Department of Education staff
- Louisiana Teacher Leaders and Teacher Leader Advisors
- District staff
- [The Cain Center](#)
- [Eureka Math](#)
- Professors from the [College of Education at Louisiana Tech University](#)
- [Laying the Foundation through the National Math and Science Initiative \(NMSI\)](#)
- [Vermont Writing Collaborative](#)

Registration

Registration for these events opened March 25th and will close Friday, April 24th. Each district/LEA may send a pre-determined number of participants to the Summit. The Teacher Leader point of contact for each district/LEA will be responsible for distributing these spots to their Teacher Leaders and creating a plan to make sure their Teacher Leaders are registered for the event in Coursewhere by April 24th. Please contact your Teacher Leader point of contact if you are interested in registering for this event.

Please see the [Teacher Leader Summit Overview](#) for additional information about this event including detailed information about registration, lodging, and funding.

Costs & Funding

The Department Pays for...

- Hosting and space for all events
- Training costs for high-quality providers
- Lunch on Thursday, June 4
- Afternoon snack on Thursday, June 4
- Breakfast on Friday, June 5
- Box lunch on Friday, June 5

Teacher Leaders/Districts/Schools Pay for...

- All travel costs for participants (e.g. hotel rooms, mileage reimbursement)
- Substitute teachers (*if applicable*)
- Meals for participants other than those covered by the Department
- Teacher reimbursements, where required

Summer Content Institutes

The 2015 Summer Content Institutes will build on the content covered at the Teacher Leader Summit and provide districts with access to high quality, content-rich professional development on the [ELA and math skills](#).

Math Opportunities	ELA Opportunities
<ol style="list-style-type: none"> LSU Cain Center Eureka Math Math Design Collaborative 	<ol style="list-style-type: none"> ELA Guidebooks Louisiana Tech ELA K-2 NMSI ELA 3-12

Registration

Registration will open on May 12 for all trainings. See the table below for specific registration details for each opportunity.

Costs & Funding

Districts are responsible for any travel costs and/or stipends associated with attending the summer institutes. For the cost of the training, depending on the training, there two types of support:

- LDOE will provide a set number of free seats for trainings.
- LDOE will provide funds to districts directly to purchase seats.

Opportunity	Funding	Reimbursement	Registration
LSU Cain Center (Grades K-12) Eureka Math (Grades K-12)	<ul style="list-style-type: none"> • Districts complete the Math Funding Request spreadsheet to request funds by April 30 • Districts purchase seats (LDOE allocates funds) 	<ul style="list-style-type: none"> • Districts will complete a Certificate of Reimbursement and attach invoices after the trainings • Districts will be reimbursed up to the amount listed on the Allocations Summary 	<ul style="list-style-type: none"> • Opens May 12 • Register and pay for trainings using provided links • Session availability is first come, first served
Math Design Collaborative (Grades 6-12) ELA Guidebooks (Grades K-12) Louisiana Tech (Grades K-2)	<ul style="list-style-type: none"> • Set number of free seats • LDOE determines number of available seats per district 	<ul style="list-style-type: none"> • Not applicable 	<ul style="list-style-type: none"> • Open May 12-May 29 for allocated seats • Register using provided links • Registration reopens June 1 for unused seats (first come, first served)
ELA NMSI (Grades 3-12)	<ul style="list-style-type: none"> • Districts purchase seats (LDOE allocates funds to non-SRCL districts/schools) • SRCL districts/schools use SRCL funds to cover costs and can contact LDOE staff for assistance 	<ul style="list-style-type: none"> • Districts will complete a Certificate of Reimbursement and attach invoices after the trainings • Districts will be reimbursed up to the amount listed on the Allocations Summary 	<ul style="list-style-type: none"> • Opens May 12 • Register and pay for training using provided links • Session availability is first come, first served

Additional information about the 2015 Summer Content Institute sessions is available in [Appendix A](#).

LDOE Ongoing Professional Development & Virtual Support

In addition to the support and professional development available over the summer, the Department will provide a blended model of in-person and virtual support throughout the 2015-16 school year as teachers continue to work to raise the bar for their students.

In-Person Support

Teacher Leader Collaboration Events

Teacher Leader Collaboration Events offer a variety of content-specific sessions from which participants can choose the ones that best fit their needs. Sessions focus on providing participants with the most up-to-date information regarding ELA, math, and social studies instruction in Louisiana as well as supporting the use of various tools from the [Teacher Support Toolbox](#). These trainings will take place the week of September 14, the week of November 16, and the week of January 25.

Literacy Design Collaborative (LDC)

These sessions, led by Louisiana educators, focus on learning the LDC module creation process in ELA, science, and social studies and how it coordinates with the ELA guidebooks. In addition to in-person sessions, participants will also receive virtual support throughout the process.

Math Design Collaborative (MDC) Follow-Up Sessions

Following the [Summer Content Institutes](#), these sessions, led by Louisiana educators, will help teachers implement math talk, integrate high quality tasks into the curriculum, and analyzing student work. All MDC Summer Institute participants are encouraged to attend these sessions.

Costs & Funding

Teacher Leader Collaboration Events, Literacy Design Collaborative Events and Math Design Collaborative Events are free. Districts are responsible for any travel costs and the costs of securing substitute teachers for participants.

Ongoing Virtual Support

- *Virtual ELA Book Clubs*: The Virtual Book Clubs are grade-specific, pre-recorded webinars that prepare teachers to teach the unit plans from the ELA guidebook. These are available on [Edmodo](#).
- *Edmodo Online Collaboration Site*: This site facilitates conversations and the sharing of resources. To access the user guide and see support on how to join and use this site, refer to the Teacher Leader newsletter.
- *Monthly Teacher Leader newsletter*: The monthly newsletter spotlights achievements from classrooms, shares the newest available resources and details monthly training opportunities.
- *Teacher Support Toolbox*: High-quality instructional materials and resources will continue to be posted in the Teacher Support Toolbox.

All virtual supports are free and open to any educators.

Appendix A: Detailed Descriptions of 2015-16 LDOE Professional Development Opportunities

ELA
 Math
 ECE
 All

LDOE Superintendent Collaboration & Teacher Leader Summit

Superintendent Collaboration Event

The Superintendent Collaboration is designed to help districts create strong plans to support teachers and students heading into the 2015-16 school year. Participants will attend sessions and have the opportunity to collaborate on topics such as recruiting talent, supporting instruction, and fostering teacher improvement.

- When: [June 3-4](#)
- Where: Morial Convention Center, New Orleans
- Content: All
- Grades: All

Teacher Leader Summit

The 2015 [Louisiana Teacher Leader Summit](#) will bring together more than 5,000 educators and content experts from across the state to share their knowledge, learn new skills, and prepare for the upcoming 2015-16 school year.

- When: [June 4-5](#)
- Where: Morial Convention Center, New Orleans
- Content: All (ELA, math, social studies, science, early childhood education, special education)
- Grades: All

ELA
Math
ECE
All

Summer Content Institutes

Summer Content Institutes: Louisiana Tech ELA, Grades K-2

These sessions, led by professors from Louisiana Tech University, focus on showing participants how to support literacy development through conversations and help students understand and express understanding of complex texts through interactive read-aloud instruction and shared writing. The content of this training will be applicable whether teachers are using the guidebooks or another English language arts curriculum.

- When: [July 1-2 \(Crowley\), and 7-8 \(West Monroe\), and July 9-10 \(Baton Rouge\)](#) (each session is 2 days)
- Where: Crowley, Ouachita, Baton Rouge
- Content: ELA
- Grades: K-2

Summer Content Institutes: NMSI ELA, Grades 3-12

These sessions, led by experts from NMSI's English Laying the Foundation (LTF) Program, focus on showing ELA teachers how to help students read, understand, and express understanding of complex texts independently. The content of these trainings will be applicable whether teachers are using the guidebooks or another English language arts curriculum.

- When: [July 13-17 \(West Monroe\) and July 27-31 \(Baton Rouge\)](#) (each grade band will attend one, 2-day session)
- Where: Ouachita and Baton Rouge
- Content: ELA
- Grades: 3-12

Summer Content Institutes: ELA Guidebooks, Grades K-12

These sessions, led by LDOE staff, support teachers in understanding the design of the English language arts guidebooks and prepare teachers for using those guidebooks throughout the school year. The content of these trainings is only applicable to teachers who plan on using the ELA guidebooks.

- When: [June 22-25 \(West Monroe\) and June 29-July 2 \(Baton Rouge\)](#) (each grade band will attend one, 1-day session)
- Where: Ouachita and Baton Rouge
- Content: ELA
- Grades: K-12

Summer Content Institutes: Eureka Math

These courses will focus on helping teachers successfully implement the Eureka modules and are applicable to those in their first, second, or third year of implementation. Specific topics include understanding the major work of each grade level and in-depth studies of specific modules.

- When: [July 9-10 \(New Orleans and Monroe\) and July 13-16 \(Baton Rouge\)](#)
- Where: New Orleans, Monroe, Baton Rouge

Summer Content Institutes

- Content: Math
- Grades: K-12
- [Appendix F: Agenda](#)

Summer Content Institutes: Cain Center

The LSU Cain Center will provide grade-band, content-specific professional development for teachers in grades K-8, Algebra I, and Geometry. Each two-day workshop will focus on topics aligned to the Louisiana Student Standards for Mathematics and will incorporate standards-based instructional strategies for classroom implementation.

- When: [July 13-14 \(Lafayette\)](#), [July 20-21 \(Ruston\)](#) and [July 29-30 \(Baton Rouge\)](#)
- Where: Lafayette, Ruston, Baton Rouge
- Content: Math
- Grades: K-12
- [Appendix E: Agenda](#)

[Summer Content Institutes: Math Design Collaborative \(MDC\)](#)

These sessions, led by Louisiana educators, will focus on Implementing math talk in the classroom, integrating high quality tasks into the curriculum, and analyzing student work.

- When: [July 21 \(Lafayette\)](#) and [July 23 \(Bossier\)](#) with follow-up sessions in [Sept](#), [Nov](#), and [Feb](#)
- Where: Lafayette, Bossier
- Content: Math
- Grades: 6-12

Early Childhood Education: Teaching Strategies GOLD Accreditation Program for Trainers (APT)

This is a “Train the Trainer” model, and participants are limited to those individuals chosen by the Leadership Teams in the Early Childhood Community Networks.

- April 14-16, 2015, Livingston Technology Center
- June 10-12, 2015, Livingston Technology Center
- June 16-18, 2015, Aiken Virtual Academy Campus (Rapides)
- Content: Early Childhood Education
- Grades: birth-preK

Early Childhood Education: Teaching Strategies GOLD Recertification Training

This training is available only to individuals from Cohort 2 pilots who were trained on Teaching Strategies GOLD in summer, 2014.

- June 9, 2015, Livingston Technology Center
- June 15, 2015, Aiken Virtual Academy Campus (Rapides)
- Content: Early Childhood Education
- Grades: birth-preK

ELA
Math
ECE
All

On-Going LDOE Teacher Leader Professional Development

Teacher Leader Collaboration Events

Teacher Leader Collaboration Events offer a variety of content-specific sessions from which participants can choose the ones that best fit their needs. Sessions focus on providing participants with the most up-to-date information regarding ELA, math and social studies instruction in Louisiana as well as supporting the use of various tools from the [Teacher Support Toolbox](#).

- When: [Week of September 14](#), [week of November 16](#), and [week of January 25](#)
- Where: Three locations across the state each month
- Content: All
- Grades: All

Literacy Design Collaborative (LDC)

These sessions, led by Louisiana educators, focus on learning the LDC module creation process in ELA, science, and social studies and how it coordinates with the ELA guidebooks. In addition to in-person sessions, participants will also receive virtual support throughout the process. Orientation sessions will be held at the Superintendent’s Collaboration and June Teacher Leader Summit in New Orleans on June 3-5.

- When: [September 9-11](#), [November 4-5](#), and [January 20-22](#) (teachers and district/school leaders will attend three, 1-day sessions)
- Where: Bossier, Lafayette, Chalmette
- Content: ELA, science, and social studies
- Grades: 3-12

[Math Design Collaborative \(MDC\) Follow-Up Sessions](#)

These sessions, led by Louisiana educators, will focus on Implementing math talk in the classroom, integrating high quality tasks into the curriculum, and analyzing student work to better plan future lessons.

- When: [September](#), [November](#), and [February](#)
- Where: Lafayette, Bossier
- Content: Math
- Grades: 6-12

ELA

Math

All

Virtual LDOE Support for Teacher Leaders

Virtual ELA Book Clubs

The Virtual Book Clubs are grade-specific, pre-recorded webinars that prepare teachers to teach the unit plans from the ELA guidebook.

- When: Ongoing
- Where: Available through [Edmodo](#)
- Content: ELA
- Grades: All

Edmodo Online Collaboration Site

Teacher Leaders are encouraged to participate in a [free Edmodo online collaboration site](#). This site facilitates conversations and the sharing of resources. To access the user guide and see support on how to join and use this site, refer to the Teacher Leader newsletter.

- When: Ongoing
- Where: [Edmodo](#), Group Code: LKEAQ4
- Content: All
- Grades: All

Monthly Teacher Leader Newsletter

Monthly newsletter spotlights achievements from classrooms, shares the newest available resources and details monthly training opportunities.

- When: Last Wednesday of each month
- Where: To sign up for the newsletter, click [here](#). For previous editions of the newsletter click [here](#).
- Content: All
- Grades: All

Teacher Support Toolbox

High-quality instructional materials and resources will continue to be posted in the [Teacher Support Toolbox](#).

- When: Ongoing
- Where: [Teacher Support Toolbox](#)
- Content: All
- Grades: All

Appendix B: Calendar of 2015-16 LDOE Professional Development Opportunities

[June 2015](#)
[July 2015](#)
[August 2015](#)

[September 2015](#)
[October 2015](#)
[November 2015](#)

[December 2015](#)
[January 2016](#)
[February 2016](#)

June 2015

Monday	Tuesday	Wednesday	Thursday	Friday
1	2	3 Superintendent Collaboration (New Orleans)	4 Superintendent Collaboration & Teacher Leader Summit (New Orleans)	5 Teacher Leader Summit (New Orleans)
8	9 GOLD Recertification (Livingston)	10 GOLD ATP (Livingston)	11 GOLD ATP (Livingston)	12 GOLD ATP (Livingston)
15 GOLD Recertification (Rapides)	16 GOLD ATP (Rapides)	17 GOLD ATP (Rapides)	18 GOLD ATP (Rapides)	19
22 Summer Content Institute: ELA Guidebooks, Grades K-2 (West Monroe)	23 Summer Content Institute: ELA Guidebooks, Grades 3-5 (West Monroe)	24 Summer Content Institute: ELA Guidebooks, Grades 6-8 (West Monroe) Teacher Leader Newsletter	25 Summer Content Institute: ELA Guidebooks, Grades 9-12 (West Monroe)	26
29 Summer Content Institute: ELA Guidebooks, Grades K-2 (Baton Rouge)	30 Summer Content Institute: ELA Guidebooks, Grades 3-5 (Baton Rouge)	<ul style="list-style-type: none"> • Virtual Book Clubs • Edmodo • Teacher Support Toolbox 		

July 2015

Monday	Tuesday	Wednesday	Thursday	Friday
<ul style="list-style-type: none"> Virtual Book Clubs Edmodo Teacher Support Toolbox 		<p>1</p> <p>Summer Content Institute: Louisiana Tech (ELA), Grades K-2 (Crowley)</p> <p>Summer Content Institute: ELA Guidebooks, Grades 6-8 (Baton Rouge)</p>	<p>2</p> <p>Summer Content Institute: Louisiana Tech (ELA), Grades K-2 (Crowley)</p> <p>Summer Content Institute: ELA Guidebooks, Grades 9-12 (Baton Rouge)</p>	<p>3</p>
<p>6</p>	<p>7</p> <p>Summer Content Institute: Louisiana Tech (ELA), Grades K-2 (West Monroe)</p>	<p>8</p> <p>Summer Content Institute: Louisiana Tech (ELA), Grades K-2 (West Monroe)</p>	<p>9</p> <p>Summer Content Institute: Louisiana Tech (ELA), Grades K-2 (Baton Rouge)</p> <p>Summer Content Institute: Eureka Math (New Orleans & Monroe)</p>	<p>10</p> <p>Summer Content Institute: Louisiana Tech (ELA), Grades K-2 (Baton Rouge)</p> <p>Summer Content Institute: Eureka Math (New Orleans & Monroe)</p>
<p>13</p> <p>Summer Content Institute: Cain Center (Lafayette)</p> <p>Summer Content Institute: Eureka Math (Baton Rouge)</p> <p>Summer Content Institute: NMSI (ELA), Grades 3-5 (West Monroe)</p>	<p>14</p> <p>Summer Content Institute: Cain Center (Lafayette)</p> <p>Summer Content Institute: Eureka Math (Baton Rouge)</p> <p>Summer Content Institute: NMSI (ELA), Grades 3-5 and 6-8 (West Monroe)</p>	<p>15</p> <p>Summer Content Institute: Eureka Math (Baton Rouge)</p> <p>Summer Content Institute: NMSI (ELA), Grades 6-8 (West Monroe)</p>	<p>16</p> <p>Summer Content Institute: Eureka Math (Baton Rouge)</p> <p>Summer Content Institute: NMSI (ELA), Grades 9-12 (West Monroe)</p>	<p>17</p> <p>Summer Content Institute: NMSI (ELA), Grades 9-12 (West Monroe)</p>
<p>20</p> <p>Summer Content Institute: Cain Center (Ruston)</p>	<p>21</p> <p>Summer Content Institute: MDC (Lafayette)</p> <p>Summer Content Institute: Cain Center (Ruston)</p>	<p>22</p>	<p>23</p> <p>Summer Content Institute: MDC (Bossier)</p>	<p>24</p>
<p>27</p> <p>Summer Content Institute: NMSI (ELA), Grades 3-5 (Baton Rouge)</p>	<p>28</p> <p>Summer Content Institute: NMSI (ELA), Grades 3-5 and 6-8 (Baton Rouge)</p>	<p>29</p> <p>Summer Content Institute: NMSI (ELA), Grades 6-8 (Baton Rouge)</p> <p>Summer Content Institute: Cain Center (Baton Rouge)</p> <p>Teacher Leader Newsletter</p>	<p>30</p> <p>Summer Content Institute: NMSI (ELA), Grades 9-12 (Baton Rouge)</p> <p>Summer Content Institute: Cain Center (Baton Rouge)</p>	<p>31</p> <p>Summer Content Institute: NMSI (ELA), Grades 9-12 (Baton Rouge)</p>

August 2015

Monday	Tuesday	Wednesday	Thursday	Friday
3	4	5	6	7
10	11	12	13	14
17	18	19	20	21
24	25	26 Teacher Leader Newsletter	27	28
31	<ul style="list-style-type: none"> • Virtual Book Clubs • Edmodo • Teacher Support Toolbox 			

September 2015

Monday	Tuesday	Wednesday	Thursday	Friday
	1	2	3	4
<i>Labor Day</i> 7	8	9 Teacher and Leader LDC Training 1 (Bossier)	10 Teacher and Leader LDC Training 1 (Lafayette)	11 Teacher and Leader LDC Training 1 (Chalmette)
14 TL Collaboration Event (location TBD)	15 TL Collaboration Event (location TBD)	16 TL Collaboration Event (location TBD)	17 TL Collaboration Event (location TBD)	18
21	22	23	24	25
28	29	30 Teacher Leader Newsletter	<ul style="list-style-type: none"> • MDC follow-up • Virtual Book Clubs • Edmodo • Teacher Support Toolbox 	

October 2015

Monday	Tuesday	Wednesday	Thursday	Friday
<ul style="list-style-type: none"> Virtual Book Clubs Edmodo Teacher Support Toolbox 			1	2
5	6	7	8	9
<i>Columbus Day</i> 12	13	14	15	16
19	20	21	22	23
26	27	28 Teacher Leader Newsletter	29	30

November 2015

Monday	Tuesday	Wednesday	Thursday	Friday
2	<i>Election Day</i> 3	4 Teacher and Leader LDC Training 2 (Bossier)	5 Teacher and Leader LDC Training 2 (Lafayette)	6 Teacher and Leader LDC Training 2 (Chalmette)
9 LATM & LSTA conference (Baton Rouge)	10 LATM & LSTA conference (Baton Rouge)	11 <i>Veteran's Day</i> LATM & LSTA conference (Baton Rouge)	12	13
16 TL Collaboration Event (location TBD)	17 TL Collaboration Event (location TBD)	18 TL Collaboration Event (location TBD) Teacher Leader Newsletter	19 TL Collaboration Event (location TBD)	20
23	24	25	<i>Thanksgiving</i> 26	27
30	<ul style="list-style-type: none"> MDC follow-up Virtual Book Clubs Edmodo Teacher Support Toolbox 			

December 2015

Monday	Tuesday	Wednesday	Thursday	Friday
	1	2	3	4
7	8	9	10	11
14	15	16 Teacher Leader Newsletter	17	18
21	22	23	Christmas Eve 24	Christmas 25
28	29	30	New Year's Eve 31	<ul style="list-style-type: none"> Virtual Book Clubs Edmodo Teacher Support Toolbox

January 2016

Monday	Tuesday	Wednesday	Thursday	Friday
<ul style="list-style-type: none"> Virtual Book Clubs Edmodo Teacher Support Toolbox 				New Year's Day 1
4	5	6	7	8
11	12	13	14	15
MLK Day 18	19	20 Teacher and Leader LDC Training 3 (Bossier)	21 Teacher and Leader LDC Training 3 (Lafayette)	22 Teacher and Leader LDC Training 3 (Chalmette)
25 TL Collaboration Event (location TBD)	26 TL Collaboration Event (location TBD)	27 TL Collaboration Event (location TBD) Teacher Leader Newsletter	28 TL Collaboration Event (location TBD)	29

February 2016

Monday	Tuesday	Wednesday	Thursday	Friday
1	2	3	4	5
8	<i>Mardi Gras</i> 9	10	11	12
<i>President's Day</i> 15	16	17	18	19
22	23	24 Teacher and Leader LDC Training 3 (Bossier) Teacher Leader Newsletter	25 Teacher and Leader LDC Training 3 (Lafayette)	26 Teacher and Leader LDC Training 3 (Chalmette)
29	30	<ul style="list-style-type: none"> • MDC follow-up • Virtual Book Clubs • Edmodo • Teacher Support Toolbox 		

Appendix C: 2015-16 Professional Development Opportunities for Purchase

In addition to professional development that the LDOE provides, districts may choose to purchase additional professional as needed.

Vendor	Overview	Additional Information
<p>Amplify</p> <p><i>Content:</i> ELA</p> <p><i>Grades:</i> K-5</p> <p><i>Curriculum:</i> Core Knowledge Language Arts (CKLA)</p> <p><i>In-Person/Virtual:</i> In-person</p> <p><i>Audience:</i> teachers, coaches, administrators</p>	<p>Amplify Education conducts professional development sessions onsite that range from half a day to three days. In addition to their standard offerings, Amplify Education designs customized institutes or professional development sessions tailored to the needs and goals of a specific state or district. These fall into three categories:</p> <ul style="list-style-type: none"> • <i>Teacher Training (TT):</i> These sessions prepare classroom teachers and specialists to implement the CKLA curriculum within their classrooms. • <i>Coaching the Coach (CtC):</i> These sessions prepare instructional leaders and coaches to support teachers with their CKLA implementation. • <i>Instructional Leader Training (IL):</i> These sessions prepare administrators 	<p>Contact person: Mary Patin at mpatin@amplify.com or Andrea Tate at atate@amplify.com</p> <p>Click here for a brochure that includes specific package and pricing information.</p>
<p>Laying the Foundation through NMSI</p> <p><i>Content:</i> ELA</p> <p><i>Grades:</i> 3-12</p> <p><i>In-Person/Virtual:</i> In-person</p> <p><i>Audience:</i> teachers, coaches</p>	<p>The National Math and Science Initiative’s Laying the Foundation (LTF) Teacher Training Program consists of 4 days of training per year, for a total of 3 years. Developed by experienced teachers and content experts, the program provides:</p> <ul style="list-style-type: none"> • Hands-on training led by a national corps of expert classroom teachers • Classroom-ready materials and resources aligned with state standards • Instructional best practices for increasing academic rigor and building college and career readiness 	<p>Contact person: Heather Evans at hevens@nms.org or 214-206-5896 (office)</p> <p>Click here for a brochure that includes specific package and pricing information.</p>

Vendor	Overview	Additional Information
<p>Great Minds</p> <p><i>Content:</i> Math</p> <p><i>Grades:</i> K-HS</p> <p><i>Curriculum:</i> Eureka</p> <p><i>In-Person/Virtual:</i> In-person</p> <p><i>Audience:</i> teachers, coaches, administrators</p>	<p>This in-person professional development, led by the Eureka Math team and designed by the writers of the curriculum, addresses the needs of new and continuing implementation. Sessions are curriculum-specific. Districts should select sessions appropriate for their implementation following the <i>Suggested Trajectories for Professional Development</i> and in consultation with the Eureka Math team.</p> <ul style="list-style-type: none"> • Sessions are \$2,600 each plus travel per trainer. • Districts are encouraged to collaborate with one another to schedule jointly hosted events. • Preferred bookings include two consecutive days of training. 	<p>Contact: Jennifer Loftin (jennifer.loftin@greatminds.net)</p> <p>PD@greatminds.net</p> <p>http://greatminds.net/teachers-guild/eureka-math</p>
<p>Great Minds: Teach Eureka Video Series</p> <p><i>Content:</i> Math</p> <p><i>Grades:</i> K-HS</p> <p><i>Curriculum:</i> Eureka</p> <p><i>In-Person/Virtual:</i> Virtual</p> <p><i>Audience:</i> teachers, coaches, administrators</p>	<p>In this video series, the curriculum’s authors explain the mathematical concepts and instructional strategies necessary to support your implementation of Eureka Math. Each grade (PK-11) of Teach Eureka contains 18 one-hour sessions organized sequentially by module. The on-demand format, streamed from Vimeo, allows for viewing whenever and wherever you and your colleagues desire.</p> <ul style="list-style-type: none"> • \$175 per teacher license. 	<p>Contact: Jennifer Loftin (jennifer.loftin@greatminds.net)</p> <p>PD@greatminds.net</p> <p>http://greatminds.net/teachers-guild/eureka-math</p>

Vendor	Overview	Additional Information
<p>LSU Cain Center</p> <p><i>Content:</i> Math</p> <p><i>Grades:</i> K-HS</p> <p><i>In-Person/Virtual:</i> In-person</p> <p><i>Audience:</i> teachers, coaches, administrators</p>	<p>Option 1:</p> <ul style="list-style-type: none"> • 11 trainers/sessions per day • 1 day-grade level specific training for 25-30 teachers per grade level x 11 grade levels • 1 day grade level specific training 4 times throughout the school year on Saturdays • \$55,000 + travel <p>Option 2:</p> <ul style="list-style-type: none"> • 5 trainers/sessions per day • 1 day-grade band specific training for 25-30 teachers per grade band x 5 grade band levels (K-2, 3-5, 6-8, Algebra, Geometry) • 1 day grade band specific training 4 times throughout the school year on Saturdays • \$25,000 + travel <p>Option 3:</p> <ul style="list-style-type: none"> • District specific – calendar built plan • \$1000 per day + travel per trainer 	<p>Contact Person: Robyn Carlin</p> <p>Rcarli3@lsu.edu</p> <p>http://www.cain.lsu.edu/</p>

Appendix D: 2015-16 Summer Content Institutes Allocations Summary

District	English Language Arts			Mathematics	
	Guidebook Gr. K-12 Seats	LA Tech Gr. K-2 Seats	NMSI Gr. 3-12 Allocations	Math Design Collaborative Seats	Eureka and Cain Center Allocations
	\$0/seat	\$0/seat	\$350/seat	\$0/seat	Eureka \$150/seat Cain Center \$81.95/seat
Acadia Parish	10	4	\$3150	4	\$4,000
Allen Parish	6	3	\$1750	3	\$2,000
Ascension Parish	10	4	\$3150	4	\$4,200
Assumption Parish	6	3	\$1750*	3	\$2,000
Avoyelles Parish	6	3	\$1750	3	\$2,000
Beauregard Parish	6	3	\$1750	3	\$2,000
Bienville Parish	4	1	\$1050	2	\$1,500
Bogalusa City Schools	4	1	\$1050	2	\$1,500
Bossier Parish	10	4	\$3150	4	\$4,200
Caddo Parish	14	7	\$4200	6	\$6,600
Calcasieu Parish	14	7	\$4200*	6	\$6,600
Caldwell Parish	4	1	\$1050	2	\$1,500
Cameron Parish	4	1	\$1050	2	\$1,500
Catahoula Parish	6	3	\$1750*	2	\$1,500
Central Community	4	1	\$1050	2	\$1,500
City of Baker	4	1	\$1050	2	\$1,500
Claiborne Parish	4	1	\$1050	2	\$1,500
Concordia Parish	6	3	\$1750	3	\$2,000
DeSoto Parish	6	3	\$1750*	3	\$2,000
East Baton Rouge Parish	14	7	\$4200*	10	\$10,000
East Carroll Parish	4	1	\$1050	2	\$1,500
East Feliciana Parish	6	3	\$1750*	2	\$1,500
Evangeline Parish	6	3	\$1750	3	\$2,000
Franklin Parish	4	1	\$1050	2	\$1,500
Grant Parish	6	3	\$1750	3	\$2,000
Iberia Parish	10	4	\$3150	4	\$4,000
Iberville Parish	6	3	\$1750*	2	\$1,500
Jackson Parish	4	1	\$1050	2	\$1,500
Jefferson Davis Parish	6	3	\$1750*	3	\$2,000
Jefferson Parish	14	7	\$4200*	10	\$10,000
Lafayette Parish	14	7	\$4200	6	\$6,600

* SRCL districts and charter schools will use their SRCL funds to cover the indicated costs and can contact LDOE staff for assistance locating funds, if necessary.

District	English Language Arts			Mathematics	
	Guidebook Gr. K-12 Seats	LA Tech Gr. K-2 Seats	NMSI Gr. 3-12 Allocations	Math Design Collaborative Seats	Eureka and Cain Center Allocations
	\$0/seat	\$0/seat	\$350/seat	\$0/seat	Eureka \$150/seat Cain Center \$81.95/seat
Lafourche Parish	10	4	\$3150	4	\$4,200
LaSalle Parish	6	3	\$1750	2	\$1,500
Lincoln Parish	6	3	\$1750	3	\$2,000
Livingston Parish	10	4	\$3150	4	\$4,200
Madison Parish	4	1	\$1050*	2	\$1,500
Monroe City Schools	10	4	\$3150*	4	\$4,000
Morehouse Parish	6	3	\$1750	3	\$2,000
Natchitoches Parish	6	3	\$1750*	4	\$4,000
Orleans Parish	10	4	\$3150*	4	\$4,000
Ouachita Parish	10	4	\$3150	4	\$4,200
Plaquemines Parish	6	3	\$1750*	2	\$1,500
Pointe Coupee Parish	4	1	\$1050*	2	\$1,500
Rapides Parish	14	7	\$4200	6	\$6,600
Red River Parish	4	1	\$1050	2	\$1,500
Richland Parish	6	3	\$1750	3	\$2,000
Sabine Parish	6	3	\$1750*	2	\$1,500
St. Bernard Parish	6	3	\$1750*	3	\$2,000
St. Charles Parish	10	4	\$3150*	4	\$4,000
St. Helena Parish	4	1	\$1050	2	\$1,500
St. James Parish	6	3	\$1750	2	\$1,500
St. John Parish	6	3	\$1750	3	\$2,000
St. Landry Parish	10	4	\$3150	4	\$4,200
St. Martin Parish	6	3	\$1750	4	\$4,000
St. Mary Parish	10	4	\$3150	4	\$4,000
St. Tammany Parish	14	7	\$4200*	6	\$6,600
Tangipahoa Parish	10	4	\$3150*	4	\$4,200
Tensas Parish	4	1	\$1050	2	\$1,500
Terrebonne Parish	10	4	\$3150*	4	\$4,200
Union Parish	6	3	\$1750	2	\$1,500
Vermilion Parish	10	4	\$3150*	4	\$4,000
Vernon Parish	10	4	\$3150	4	\$4,000
Washington Parish	6	3	\$1750	3	\$2,000
Webster Parish	6	3	\$1750	3	\$2,000

* SRCL districts and charter schools will use their SRCL funds to cover the indicated costs and can contact LDOE staff for assistance locating funds, if necessary.

District	English Language Arts			Mathematics	
	Guidebook Gr. K-12 Seats \$0/seat	LA Tech Gr. K-2 Seats \$0/seat	NMSI Gr. 3-12 Allocations \$350/seat	Math Design Collaborative Seats \$0/seat	Eureka and Cain Center Allocations Eureka \$150/seat Cain Center \$81.95/seat
West Baton Rouge Parish	6	3	\$1750*	3	\$2,000
West Carroll Parish	4	1	\$1050	2	\$1,500
West Feliciana Parish	4	1	\$1050*	2	\$1,500
Winn Parish	6	3	\$1750	3	\$2,000
Zachary Community	6	3	\$1750	2	\$1,500
Special School District	4	1	\$1050	1	\$150
Charters/Lab Schools	1	1	or \$350*	1	\$150

* SRCL districts and charter schools will use their SRCL funds to cover the indicated costs and can contact LDOE staff for assistance locating funds, if necessary.

Appendix E: Cain Center Summer Content Institute Agenda

The LSU Cain Center, in partnership with LDOE, will provide grade-band, content-specific professional development for teachers in grades K-8, Algebra I, and Geometry. The workshops will be available to Louisiana teachers on July 13-14 (Lafayette), July 20-21 (Ruston), and July 29-30 (Baton Rouge). Each two-day workshop (6 hours per day) will center on topics based on Louisiana Student Standards for Mathematics and will incorporate standards-based instructional strategies for classroom implementation. Participants will have the opportunity to engage in hands-on, inquiry-based activities and will be provided with materials for redelivery in their respective schools/districts. Each trainer team leading the professional development is made up of expert mathematics teachers at their respective grade level and has tailored the workshop sessions based on personal classroom and professional development experiences.

The workshop trainers will provide all materials needed for successful implementation of the sessions. The workshop agendas for each grade band follow.

	Day 1	Day 2
K-2	<p>An Overview of Counting and Cardinality and Operations and Algebraic Thinking</p> <ul style="list-style-type: none"> • Using the Progressions Document as an Instructional Guide • Unpacking the Standards <p>Comparisons of Numbers</p> <p>Models of Addition and Subtraction</p> <ul style="list-style-type: none"> • Math Drawings • Tape Diagrams • Line Segments • Number Bonds • Manipulative Models <p>Addressing Rigor</p> <ul style="list-style-type: none"> • Application of Addition and Subtraction Using Word Problems • Developing Number Fluency 	<p>An Overview of Number and Operations in Base Ten</p> <ul style="list-style-type: none"> • Using the Progressions Document as an Instructional Guide • Unpacking the Standards <p>Foundations for Place Value</p> <p>Comparing Numbers</p> <p>Modeling Place Value</p> <p>Reading and Writing Numbers in Base Ten</p> <p>Properties of Addition and Subtraction</p> <p>More Focus on Fluency</p>

	Day 1	Day 2
3-5	<p>An Overview of Operations and Algebraic Thinking</p> <ul style="list-style-type: none"> Using the Progressions Document as an Instructional Guide Unpacking the Standards <p>Understanding Multiplication and Division</p> <p>Properties of Operations</p> <p>Models of Multiplication and Division</p> <ul style="list-style-type: none"> Math Drawings Rectangular Arrays Line Segments <p>Solving Word Problems</p>	<p>An Overview of Number and Operations - Fractions</p> <ul style="list-style-type: none"> Using the Progressions Document as an Instructional Guide Unpacking the Standards <p>Understanding Fractions</p> <ul style="list-style-type: none"> Modeling Equivalent Fractions Operations with Fractions <ul style="list-style-type: none"> Addition and Subtraction with like and unlike denominators Modeling Multiplication of Fractions <p>Understanding Decimal and Fraction Relationships</p> <p>Addressing Rigor:</p> <ul style="list-style-type: none"> Application Using Word Problems Developing Fraction Fluency
6-8	<p>Common Core State Standards – Ratios and Proportional Relationships</p> <ul style="list-style-type: none"> Examining CCSS Unpacking CCSS Progressions Document <p>Identifying the Instructional Shifts</p> <p>Investigating Ratios and Rates</p> <p>Solving Problems Involving Proportional Relationships</p> <p>Mathematical Tasks (Ratios and Proportional Relationships)</p>	<p>Common Core State Standards – Expressions and Equations</p> <ul style="list-style-type: none"> Examining CCSS Unpacking CCSS Progressions Document <p>Using Tape Diagrams and Double Number Lines</p> <p>Solving Equations and Inequalities</p> <p>Representations of Equivalent Ratios</p> <p>Analyzing Proportional Relationships with Equations and Graphs</p> <p>Proportional Reasoning and Similar Triangles</p>
Algebra	<p>Common Core State Standards – Algebra I</p> <ul style="list-style-type: none"> Examining CCSS Understanding Domain Structure <p>Introduction to Functions</p> <p>Properties of Expressions</p> <p>Finding Solutions to Algebraic Equations and Inequalities</p> <p>Equations of Simultaneous Equations</p> <p>Applications of Problem Solving</p>	<p>Introduction to Functions</p> <ul style="list-style-type: none"> Using Function Notation Analyzing and Interpreting Functions <p>Modeling Functional Relationships</p> <p>Fitting Models to Data</p> <ul style="list-style-type: none"> Line of Best Fit Regression Analysis Analyzing Residuals <p>Characteristics of Quadratic Functions</p>

	Day 1	Day 2
Geometry	<p>Common Core State Standards – Geometry</p> <ul style="list-style-type: none"> • Examining CCSS • Understanding Domain Structure <p>Geometric Constructions in Congruence</p> <p>Transformations</p> <ul style="list-style-type: none"> • Investigating Properties of Reflections, Rotations, Translations and Dilations • Geometric constructions using PattyPaper, Grid Paper, and Geogebra • Solving Problems using Geometric Constructions <p>Tangents, Secants, Chords, and Circles</p> <ul style="list-style-type: none"> • Inscribing and Circumscribing Triangles and Circles • Constructing Circles 	<p>Analytic Geometry in Informal Proofs</p> <p>Modeling in Geometry</p> <ul style="list-style-type: none"> • Algebraic Modeling • Modeling Using Software and Graphing Calculators • Problem Solving Using Geometric Modeling <p>Fluencies in Geometry</p> <ul style="list-style-type: none"> • Triangle Congruence • Similarity Criteria • Coordinate Geometry • Constructions • Problem Solving

Appendix F: Eureka Summer Content Institute Agenda

I. Session Offerings by Location

The tables below summarize the sessions offered at each location. All sessions will be held from 8:30 AM–3:30 PM and will include a one hour break for lunch (not provided).

St. Charles Parish	Session
July 9	Foundations to Fraction Operations
July 9	Preparation and Customization of Eureka Math Lessons (K-5)
July 9	Focus on Fluency: Grades 6-12
July 9	Preparation and Customization of Eureka Math Lessons (6-12)
July 10	Whole Number and Fraction Operations
July 10	Preparation and Customization of Eureka Math Lessons (K-5)
July 10	Focus on Fluency: Grades 6-12
July 10	Foundations to Fraction Operations
Ouachita Parish	Session
July 9	Foundations to Fraction Operations
July 9	Preparation and Customization of Eureka Math Lessons: Grades K-5
July 9	Focus on Fluency: Grades 6-12
July 9	Preparation and Customization of Eureka Math Lessons: Grades 6-12
July 10	Whole Number and Fraction Operations
July 10	Preparation and Customization of Eureka Math Lessons: Grades K-5
July 10	Focus on Fluency: Grades 6-12
July 10	Foundations to Fraction Operations
East Baton Parish	Session
July 13	Module Study: Kindergarten Module 1
July 13	Module Study: Grade 2 Modules 1 and 2
July 13	Module Study: Grade 4 Module 1
July 13	Module Study: Grade 6 Module 1
July 13	Module Study: Grade 8 Module 1
July 14	Focus on Fluency: Grades K-5
July 14	Focus on Fluency: Grades 6-12
July 14	Preparation and Customization of Eureka Math Lessons: Grades K-5
July 14	Preparation and Customization of Eureka Math Lessons: Grades 6-12
July 14	Problem Solving with Math Drawings and the Tape Diagram: <i>Addition and Subtraction</i>
July 15	Focus on Fluency: Grades K-5
July 15	Focus on Fluency: Grades 6-12
July 15	Preparation and Customization of Eureka Math Lessons: Grades K-5
July 15	Preparation and Customization of Eureka Math Lessons: Grades 6-12
July 15	Problem Solving with Math Drawings and the Tape Diagram: <i>Multiplication and Division</i>
July 16	Module Study: Grade 1 Module 1
July 16	Module Study: Grade 3 Module 1
July 16	Module Study: Grade 5 Module 1
July 16	Module Study: Grade 7 Module 1
July 16	Module Study: Grade 9 Module 1

II. Registration Procedures

Registration for Eureka Math regional institutes in Louisiana will begin on May 12. Session availability is first come, first served.

The cost of registration is \$150 per participant for each of the sessions selected from the available options.

III. Session Descriptions

Focus on Fluency (K-5)

Background: Lessons in *A Story of Units* begin with an energetic fluency component addressing fluency objectives from the prior and current grade level, plus any skills and understandings that need revisiting as well as those that are foundational to upcoming instruction. Students respond chorally at times and by writing on a template or a personal white board at others. Fluency activities provide students the opportunity to find and use structures and patterns to simplify mathematics, a practice that builds automaticity, as distinguished from rote memorization.

Session Description: This session empowers educators to understand, deliver, and customize the fluency component of *A Story of Units*. The lively session includes interactive demonstration, analysis of teaching sequences, deliberate practice (i.e., practice using feedback), analysis of classroom footage, and the customization and crafting of fluency sequences to meet student needs. Participants analyze the principles underlying fluency in order to enhance their own capacity to customize fluency sequences in response to assessment results (e.g., observations, Exit Tickets, or larger formal assessments). Furthermore, the session provides participants a window into the coherence of the Eureka curriculum by allowing them to experience the progression of fluency from Kindergarten to Grade 5. This session is appropriate for K-2 and/or 3-5 educators.

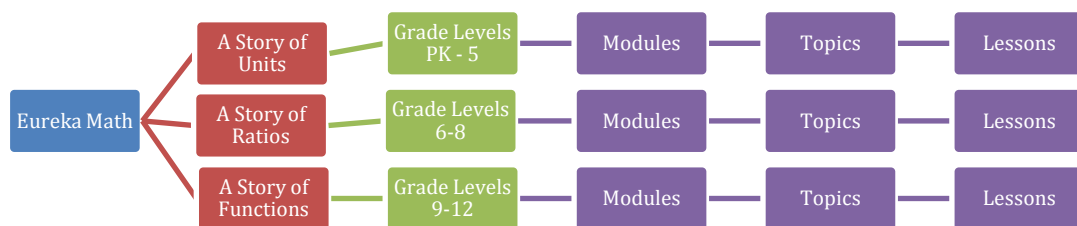
Focus on Fluency (6-12)

Background: Students entering Grades 6–12 often have learning gaps that require daily attention to assure success in grade-level objectives. Because the needs of students are varied, the fluency component of *A Story of Ratios* is not built into the curriculum but rather is provided as a powerful, supplementary resource that teachers learn to use and customize to meet the needs of their students.

Session Description: This session empowers educators to deliver and customize fluency activities effectively for students in Grades 6–12 using either *A Story of Ratios* or *A Story of Functions*, supported by the supplementary Eureka resource *Eureka Fluency: Grades 6–8*. The session includes interactive demonstration, analysis of teaching sequences, deliberate practice (i.e., practice using feedback), analysis of classroom footage, and the customization and crafting of fluency sequences to meet student needs. Participants analyze the principles underlying fluency in order to enhance their own capacity to design fluency sequences that are responsive to assessment results (e.g., observations, Exit Tickets, or larger formal assessments).

Module Study

Background: *Eureka Math* is a trilogy. The diagram below models its structure: *A Story of Units* segues into *A Story of Ratios*, which segues into *A Story of Functions*. A module is the essential “chapter” of each grade level within the 3 “books.” There are from 5–8 modules per grade level. Educators need time to practice and internalize the mathematics and the teaching sequences of the modules before entering into their first month or months of instruction.



Session Description: This session, recommended for new implementers of *Eureka Math*, interactively engages participants in the structure and mathematics of a module. Participants take deep dives into the most essential lessons, thereby gaining deeper understanding and skill with both the math and pedagogy of the module. The session includes interactive demonstration, analysis of teaching sequences, deliberate practice, analysis of student work, and at times, classroom footage. Participants analyze the relationship of the module’s instruction to standards and explore the essential prerequisite lessons and trajectories of learning, from prior grade levels, within the grade level, and to the grade levels beyond. The session uses a replicable process that educators may then apply as they prepare to teach other modules.

Problem Solving with Math Drawings and the Tape Diagram

Background: The ultimate goal of mathematics education is to encourage students to be independent, resourceful, perseverant problem solvers. Lessons throughout *Eureka Math* offer daily problem-solving opportunities. Students are encouraged to make sense of the situations through the simple, flexible process shown to the right, which they gradually internalize.

When using *Eureka Math*, educators are encouraged to use varied modes to deliver instruction in problem solving. For example, students might listen in on a teacher or peer who is solving a problem, be guided to varying degrees, or work in pairs or independently. Students should have the opportunity to analyze different solution strategies, look for relationships, and share and critique each other’s work.

Read the problem.

Draw and label a model as you reread.

- Can I draw something?
- What can I draw?
- What conclusions can I make from my drawing?

Write an equation or equations that help solve the problem.

Write a statement of the answer to the question.

Level 1: Addition and Subtraction Problem Situations Including Multi-Step Problems with All Operations

Session Description: Educators learn to honor student math drawings that make sense, while also systematically teaching students how to model using the tape diagram. The intent of *Eureka Math* is to carefully introduce the tape diagram into a young student’s toolbox without undermining his or her natural sense of relationships and contexts. Participants solve problems from Kindergarten to Grade 7, using the CCSSM’s inventory of addition and subtraction situations to analyze the category of each problem. The session progresses through each situation type, showing its introduction in the K–2 grades accompanied by its relevance in a multi-step problem from later grades using measurement and fractional units. The session includes plenty of practice with modeling, writing problems from tape diagrams, delivery of instruction, and analysis of classroom footage and student work. It also reveals the coherence of the Eureka curriculum and how the work at early grades is foundational to later work. All problems within the session are from the Eureka curriculum.

Level 2: Multiplication and Division Problem Situations Including Multi-Step Problems with All Operations

Session Description: The CCSSM glossary also provides a matrix of multiplication and division problem situations. In Part 2, participants learn to analyze situations and anticipate complexities presented by partitive and measurement division, multiplicative comparison, and ratio word problems. Participants learn how to model using the tape diagram in multi-step problems and practice its delivery of instruction. This empowers educators to see the coherence afforded by the use of the tape diagram and challenges them to apply their problem-solving skills to situations that previously may have seemed out of range. The session includes plenty of practice with problem solving involving whole number, measurement, and fractional units; analysis of problem situations; writing problems from tape diagrams; practice of delivery of instruction; and analysis of classroom footage and student work. All problems within the session are from the Eureka curriculum.

Preparation and Customization of a *Eureka Math* Lesson

Background: The way we prepare a lesson ultimately determines success or failure for the students served; preparation also has the power to initiate a growth trajectory, whereby each time a lesson is prepared, the educator’s capacity to teach mathematics effectively is taken to a new level. “Preparation” is used rather than “planning” because we hope to be part of the new paradigm that invites a continuous cycle, or flow, of teaching, assessing, analyzing, and preparing. *Eureka Math* invites intensive text study when teaching it. Scott Baldrige, author of *Elementary Mathematics for Teachers* and lead mathematician for the Eureka curriculum, maintains that we are not part of a profession of great, good, and mediocre educators but rather of well-prepared, prepared, and under-prepared educators.

Session Description: This session empowers educators to customize and deliver the lessons of *Eureka Math*, fine tuning them to meet the needs of their students through a simple step-by-step process. Educators are first guided through the process as they work with a pre-selected lesson; they then work apply the preparation process to collaboratively and independently prepare “just in time” lessons to be taught in the coming days or weeks. The session includes analysis of teaching sequences at the module, topic, and lesson level; practice of the preparation process; and the thoughtful crafting of

remedial and extension sequences to adjust lessons to the needs of the students. Participants analyze a lesson's underlying structure and, in so doing, gain insight into the fine grain of decision making necessary to break down problems for strugglers and extend problems for those ready for a challenge. Teachers begin to internalize a process that allows them to use the intentionality of the teaching sequences of the curriculum to prepare intelligently, efficiently, and responsively to the needs of their students.

One Arithmetic for Fractions and Whole Numbers

Background: *A Story of Units* invites an understanding of one consistent arithmetic that applies to all units. Whole number concepts and operations are foundational to fraction concepts and understandings. Just as 4×3 bananas = 12 bananas, so too does 4×3 fifths = 12 fifths. Just as 1 week can be decomposed into 7 days, so too can 1 whole be decomposed into 7 sevenths. In mathematics, we manipulate whole number, measurement, and fractional units in precisely the same ways, by composing (adding and multiplying) and decomposing (subtracting and dividing).

Part 1: Foundations to Fraction Operations in Kindergarten through Grade 3

Session Description: Perhaps best for educators beyond their first year of implementation of *A Story of Units*, this session brings to light the coherence of work with whole number, measurement, and fractional units. As educators become aware of the foundational role certain lessons and strategies play in the upper grades, their ability to emphasize important mathematics when preparing lessons increases. Tools such as number bonds, tape diagrams, area models, and number lines are carefully developed in K–2 so as to lay a strong foundation for work with fractions. The session includes text study, lesson analysis, deliberate practice, hands-on experiences, analysis of student work, and classroom footage.

Part 2: Whole Number and Fraction Operations in Grades 3–6

Session Description: Designed for instructional leaders and educators beyond their first year of implementation of *A Story of Units*, this session examines the upper elementary connections between work with whole numbers and fractions including the addition and subtraction of like units, the distributive property, and the meaning of the operations as they relate to place value, measurement, and fractional units. Models such as number bonds, tape diagrams, area models, and number lines are used to teach both whole number and fraction operations because decomposing and composing units are relevant to both. The session includes text study, lesson analysis, deliberate practice, hands-on experiences with materials and drawing, analysis of student work, and classroom footage.

Appendix G: Summer Content Institutes Registration Links

Math Trainings

- [LSU Cain Center](#)
- [Eureka Math](#); Discount Code: **EM2015LA** (all caps)
- [Math Design Collaborative](#)

English Language Arts Trainings

- [2015 ELA Guidebook Trainings K-2](#)
- [2015 ELA Guidebook Trainings 3-5](#)
- [2015 ELA Guidebook Trainings 6-8](#)
- [2015 ELA Guidebook Trainings 9-12](#)
- [2015 LA Tech ELA Training K-2](#)
- [NMSI 3-5](#) (Ouachita Student Support Services Building, West Monroe)
- [NMSI 3-5](#) (West Monroe High School, West Monroe)
- [NMSI 3-5](#) (EBR Professional Development Center, Baton Rouge)
- [NMSI 6-8](#) (West Ridge High School, West Monroe)
- [NMSI 6-8](#) (EBR Professional Development Center, Baton Rouge)
- [NMSI 9-12](#) (Ouachita Student Support Services Building, West Monroe)
- [NMSI 9-12](#) (EBR Professional Development Center, Baton Rouge)

Appendix H: Sample Certificate of Reimbursement

NOTE: This is a sample. The final certificate will be e-mailed to district points of contact and posted in the district newsletter in July.

**Certificate of Reimbursement
2015 Summer Content Institutes**

This is to notify the Louisiana Department of Education that

_____ (LEA)

is requesting the following reimbursements for summer content trainings.

English Language Arts Trainings			Math Trainings		
Participant Name	Training Date	Registration	Participant Name	Training Date	Registration
		\$			\$
		\$			\$
		\$			\$
		\$			\$
		\$			\$
		\$			\$
		\$			\$
		\$			\$
		\$			\$

Attach additional pages with participant names and registration costs as necessary.

Total ELA Training Reimbursement Request \$ _____

Total Math Training Reimbursement Request \$ _____

I hereby certify that the above registration fees were paid on behalf of teachers attending summer content institutes.

Superintendent or Chief Financial Officer (Print Name)

Superintendent or Chief Financial Officer (Signature)

Name and contact information for person completing the form

FOR STATE USE ONLY	
_____ Program Manager	_____ Date
_____ Budget Manager	_____ Date