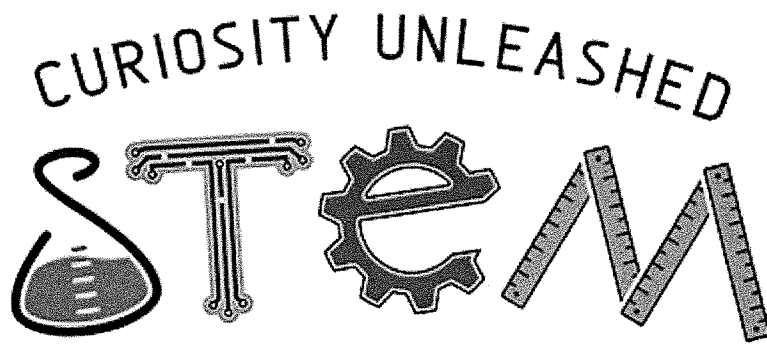


### Bee Bot Training

Date	Teacher	Time
10-3-16	Christy Peden	8:00-8:50
10-3-16	Andrea Pellard	9:00-9:50
<del>10-3-16</del>		<del>11:00-12:00</del>
10-3-16	Michelle Nelms	2:00-2:50
10-6-16	Donna Hedrick	2:00-2:50
10-7-16	Christy Flowers	8:00-8:50
10-7-16	Brittany Chastain	10:00-10:50
10-13-16	Christy Flowers	8:00-8:45
10-13-16	Michelle Nelms	8:45-9:30
10-13-16	Brittany Chastain	9:30-10:10
10-13-16	Donna Hedrick	10:15-10:55
10-17-16	Christy Peden	8:00-8:45
10-17-16	Mary Beth Garcia	8:45-9:30
10-17-16	Andrea Pellard	2:00-2:45

### Dash Training

Date	Teacher	Time
10-3-16	Maya Tridible	11:10-12:00
10-4-16	Christy Oli	9:00-9:50
10-6-16	Jennifer Stephens	10:00-10:50
10-6-16	Glavonda Hentry	11:00-11:50
10-6-16	Loi Pritchett	1:00-2:00
10-31-16	Leslie Bowen	8:00-8:50
10-31-16	Christy Oli	9:00-9:50
11-7-16	Christy Flowers	12:00-12:30
11-7-16	Michelle Nelms	1:30-2:00
11-28-16	Christy Flowers	8:00-8:30



STEM Professional Learning

Date: September 12, 2016

Grade Level: Kindergarten

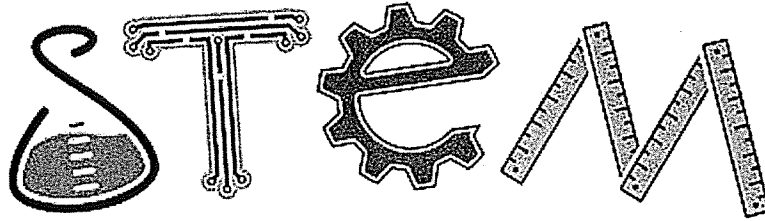
Members Present:

Michelle Helms	
Brittney L. Chestnut	
Christy Flower	
Donna Hedrick	

Agenda:

1. STEM Introduction
2. First Challenge
3. Discuss: What science and math standards are next?  
Numbers, shapes / 5 senses / motion and gravity
4. Long Term Project Ideas  
Butterflies - Citizen Science
5. Questions/Concerns

# CURIOSITY UNLEASHED



## STEM Professional Learning

Date: 9-26-16

Grade Level: K

### Members Present:

Michelle Wilms	Regina Glass
Christ Flaw	
Dona Medina	
Amy McClure	

### Agenda:

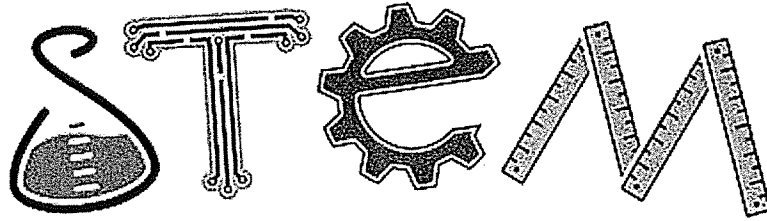
#### 1. How can we support you?

- Planning sheet for toy design
- Make copies of Rapunzel lesson

#### 2. Steps of design process – (short term)

- Reviewed

# CURIOSITY UNLEASHED



## STEM Professional Learning

Date: 9-26-16

Grade Level: | 5<sup>th</sup>

### Members Present:

Mary Beth Garcia	Andree Alled
Lacey Bailey	Amy McClure
Christy Peden	Regina Hless

### Agenda:

1. How can we support you?

- How to make a symboloo?

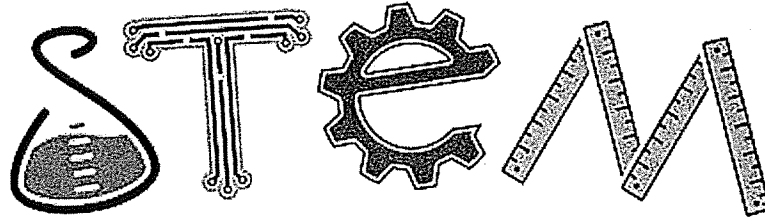
2. Steps of design process – (short term)

- Resources were shared

### 3. Long term projects:

- Plan to introduce  
*Simple introduction to Composting*  
*Start little*
- Student led
- Divisions of work between classes
- Data collection
- Questions/Concerns  
*- Bee Bot sign ups*

# CURIOSITY UNLEASHED



## STEM Professional Learning

Date: 9-28-16

Grade Level: 2<sup>nd</sup>

### Members Present:

Leslie Bowen	Regina Glass
Regina Glass	
Jennifer Stephens	
Amy McClure	

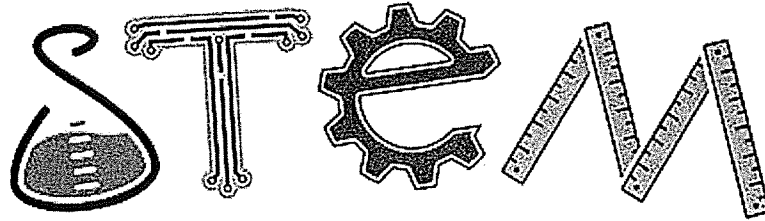
### Agenda:

1. How can we support you?
  - QR codes for research
  - Pebble Go - Eton, read
  - Synicaloo
2. Steps of design process - (short term)
  - Reviewed

### 3. Long term projects:

- Plan to introduce
  - Sprout houses
- Student led
- Divisions of work between classes
- Data collection
  - Plant growth
- Questions/Concerns
  - Signed up for robot introduction
  - Email to 2<sup>nd</sup> grade

# CURIOSITY UNLEASHED



## STEM Professional Learning

Date: 9-26-16

Grade Level: 4<sup>th</sup>

### Members Present:

Jane Redding	Regina Glass
Cassidy Longhorn	
Patty Patterson	
Angie McCre	

### Agenda:

1. How can we support you?

2. Steps of design process – (short term)

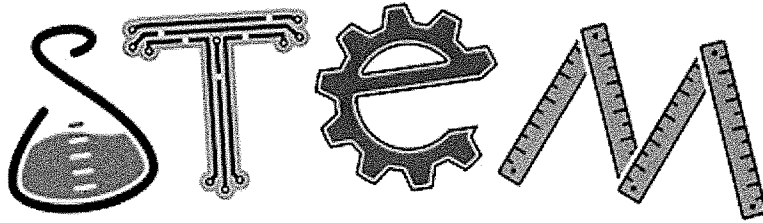
Resource game and reviewed



### 3. Long term projects:

- Plan to introduce
  - Beds for gardens
  - Survey: How do you feel about bees?
- Student led
- Divisions of work between classes
- Data collection
- Questions/Concerns
  - Bulletin board: Engineering Design Process
  - Robots
  - Shared folder for STEM introduction

# CURIOSITY UNLEASHED



## STEM Professional Learning

Date: 9-29-16

Grade Level: 5<sup>th</sup>

### Members Present:

Jamie & Dean	Regina Glass
Ken Clark	
Monya Chase	
Amy McClure	

### Agenda:

1. How can we support you?

2. Steps of design process – (short term)

Introducing steps of the design process.

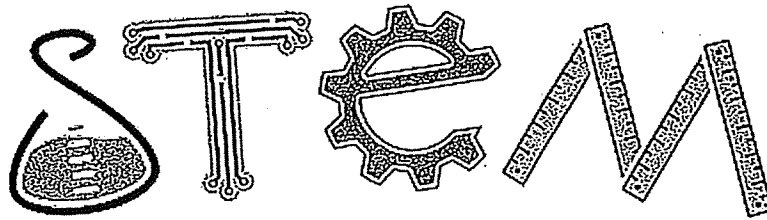
### 3. Long term projects:

- Plan to introduce
- Student led
- Divisions of work between classes
- Data collection

- Questions/Concerns

*a discussion on how to integrate across all subject areas.*

# CURIOSITY UNLEASHED



STEM Professional Learning

Date: 9-29-16

Grade Level: 3<sup>rd</sup>

Members Present:

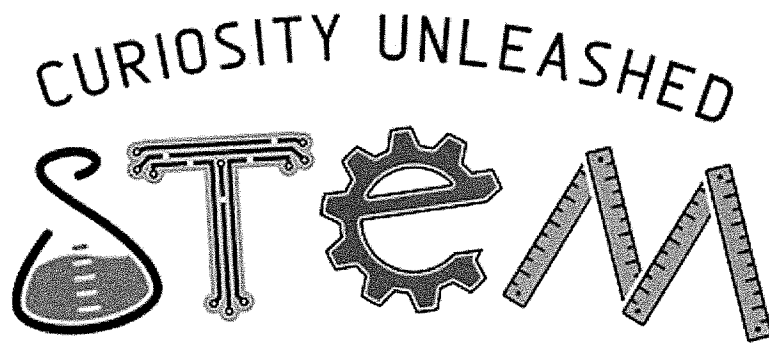
Marion Grille	Amy McClure
Lou Pittchott	Regina Glass
Lavonda Dentry	
Brooke Graham	

Agenda:

1. How can we support you?

2. Steps of design process – (short term)

Already completed



STEM Professional Learning

Date: 10-3-16

Grade Level: 4<sup>th</sup>

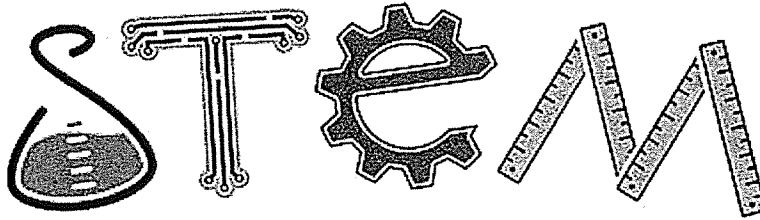
Members Present:

Patty Patterson	Regina Glass
Cassidy Longhorn	
Jane Redding	
Amy McClure	

Agenda:

1. How can we help?  
- survey monkey
2. Progress on long term and short term projects:  
- Worked on survey for Bee Awareness.  
- Collaborate with 2<sup>nd</sup> grade on garden beds  
- Short term unit was shared
3. What's next?  
Decide on how to integrate the unit.

# CURIOSITY UNLEASHED



## STEM Professional Learning

Date: 10-6-16

Grade Level: 6<sup>th</sup>

### Members Present:

Amy Davis	Regina Glass
Adrienne Keeling	
Marsha Smith	
Amy McClure	

### Agenda:

1. How can we help?

- Long term

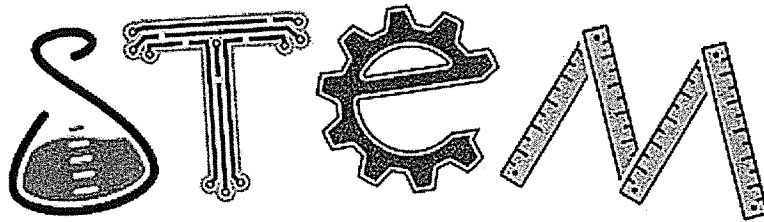
2. Progress on long term and short term projects:

- We have started looking at areas around the school for erosion. We are also working on a proposal for writing.

3. What's next?

- Marking areas around school areas of concern  
Possibly paint
- Dividing tasks for long term project

# CURIOSITY UNLEASHED



## STEM Professional Learning

Date: 10-17-16

Grade Level: 4<sup>th</sup> Grade

### Members Present:

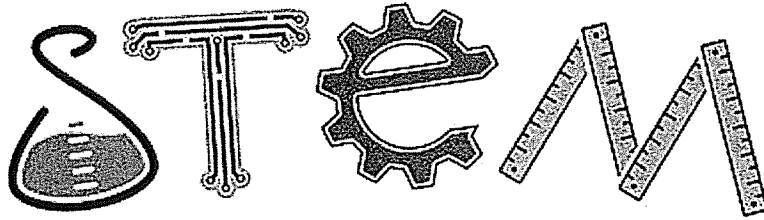
Jane Redding	Amy McClure
<del>Patty Peterson</del>	
Cassidy Longhorn	
Regina Glass	

### Agenda:

Long Term: Bee Sunny

1. In math, convert data to graphs
2. Present the data to the kids.
3. Let them do the research to come up with solutions to the problems.
4. Symbols to help guide research.
5. Habitat Project shared.
6. Find a kid friendly blog

# CURIOSITY UNLEASHED



## STEM Professional Learning

Date: 10-6-16

Grade Level: 5<sup>th</sup>

### Members Present:

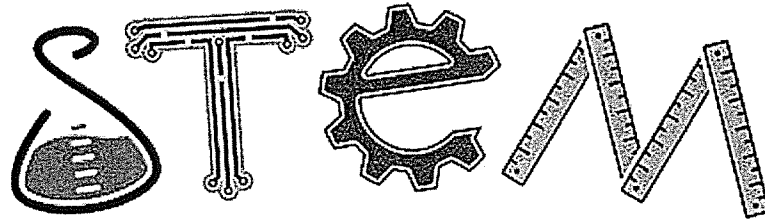
Toney Chase	Frances Green
Johne Dean	Don Clark
Amy McClure	
Regina Glass	

### Agenda:

1. How can we help?  
- Newsella - recent articles
2. Progress on long term and short term projects:  
- Shared a short term stem project  
- Introducing bees this Friday.
3. What's next?



# CURIOSITY UNLEASHED



STEM Professional Learning

Date: 10-17-16

Grade Level: 2<sup>nd</sup>

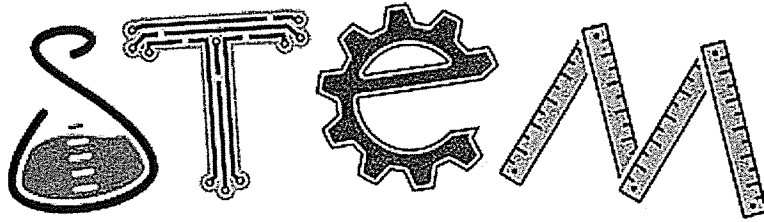
Members Present:

Jennifer Stephens	
Chet Olin	
Angie Mc	
Regina Glass	

Agenda:

- \* Overview of Symbaloo Website for long term project research
- \* Adapt butterfly STEM to bees.
- \* School yard habitat project based learning on Ecage drive.

# CURIOSITY UNLEASHED



## STEM Professional Learning

Date: 10-20-16

Grade Level: 6<sup>th</sup>

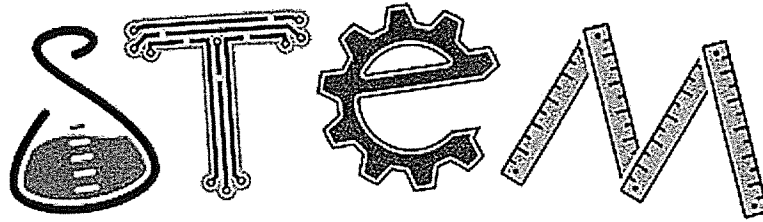
### Members Present:

Amy Davis	Amy McCO
Nasha Smith	Regina Glass
Cherine Kelling	

### Agenda:

1. Update on long term project.  
Groups are measuring the areas of erosion concerns.
2. Next - have a group share of measurements.
3. Send letters to Home Depot, Lowe's, Ace, Shephards Mulch, Keller Outdoor, and Reed Lumber.
4. Parent letter
5. Begin meeting on Thursday afternoon

# CURIOSITY UNLEASHED



STEM Professional Learning

Date: 10-20-16

Grade Level: 5<sup>th</sup>

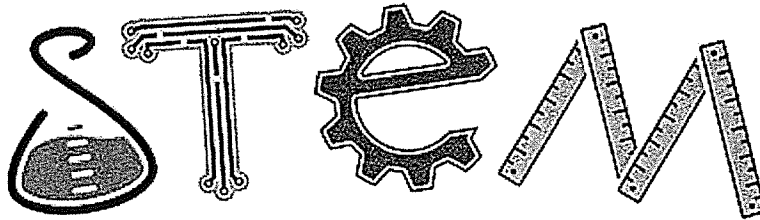
Members Present:

Francis Green	Angie Mc
Don Clark	
Sonya Chase	
Jamie Deau	

Agenda:

1. Supplier for short term → fabric, cardboard, brads, tape (masking)  
Cost list for Animal Engineering.
2. Computer time → Wed/Thur.
  1. Symbaloo website. -
  2. Products of bees.
  3. Products we can make from bees products.

# CURIOSITY UNLEASHED



## STEM Professional Learning

Date: 10-20-16

Grade Level: K

### Members Present:

Michelle Nelson	Brian L. Clouston
Regina Glass	Abrist Flowers
Amy McClure	
Donna Hedrick	

### Agenda:

① Discussed and modeled code.org so Kindergarten can begin coding. Showed how to add a new student.

② K will begin introducing students to bee behavior.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 5<sup>th</sup> Date: 11-8-16 Time: 9:00

Participants:

<u>Jamie Dean</u>	
<u>Bonny Chase</u>	
<u>Regina Glass</u>	
<u>Amy McClure</u>	
<u>Loni Clark</u>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Rated on how comfortable with EDP Process
- EDP Process was reviewed
- EDP processes were shared - Eagle drive.
- Classroom post of the EDP process
- Hallway display
- Stem-u-late Your Mind
- Prepare author's versus engineers
- Bearers is coming for Bee project
- Visit on 18<sup>th</sup> so other schools
- send the "two sided" resource for Silly Putty.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 2<sup>nd</sup> Date: 11-8-16 Time: 12:40-1:20

Participants:

Jennifer Stephens	
Christine	
Joseph Bowen	
Amy McClure	
Regina Glass	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Hall display is ready
- Engineering Design Process reviewed and resources were shared.
- 18<sup>th</sup> - Walk through
- Worked on Short Term Project for social studies unit.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 1<sup>st</sup> Date: 11-8-16 Time: 1:35-2:10

Participants:

<i>Mary Beth Garcia</i>	<i>Andrew Dillard</i>
<i>Christy Taylor</i>	
<i>Lacey Bailey</i>	
<i>Amy McClure</i>	
<i>Regina Glass</i>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- *Engineering Design Process was reviewed*
- *Resources shared.*
- *Share lesson plans for "Worms in a Bottle"*

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Eton Elementary School

STEM Professional Learning Log

Grade Level(s): K Date: 11-8-16 Time: 2:20

Participants:

<i>Michelle Holms</i>	
<i>Brittany L. Chastain</i>	
<i>Donna H. H. H.</i>	
<i>Christy Law</i>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

*-Reviewed Engineering Design Process*  
*-Resources shared for posting*  
*EPP in classroom.*

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Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 4<sup>th</sup> Date: 11-8-16 Time: 3:30

Participants:

Jane Redding	
Patty Patterson	
Cassidy Longhorn	
Amy Malice	
Regina Glass	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Reviewed Engineering Design Process  
- Resources shared for posting in classroom  
- Plan for hallway display for 4<sup>th</sup> grade  
- "Bee" awareness is progress

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 6th Date: 11-10-16 Time: 8:00-8:45

Participants:

Amy Davis	
Mable Smith	
Ashine Keeluz	
Regina Glass	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Engineering Design Process reviewed  
- plans were made for  
classroom and hall display to  
show EDP process

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 4th Date: 12/5/16 Time: 10:30

Participants:

Jane Redding	
Patty Patterson	
Cassidy Longham	
Reina Glass	
Anly McClure	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Update on hail protection device

- shared resources on short term and long term projects

- Develop display for hallway.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 2<sup>nd</sup> Date: 12/5/16 Time: 12:40

Participants:

<u>Chot Jlin</u>	
<u>Beslow Bowler</u>	
<u>Shirley Stephens</u>	
<u>Regina Glass</u>	
<u>Andy McClure</u>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Current short term:  
- Brenda Jackson from extension  
office will help with planting

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 1<sup>st</sup> Date: 12-5-16 Time: 2:15

Participants:

Christy Peder	Andrew Allard
Lace Bailey	
Wendy Garcia	
Amy McClure	
Regina Glass	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Thursday's @ 3:30 for Vermicomposting training
- Short term project shared on Arctic Animals
- Worm Factories discussed

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): K Date: 12-5-16 Time: 2:15

Participants:

Christy Flaur	
Michelle Johnson	
Buttard L. Clayton	
Donna Weirick	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Next Bee Bot - Word families -  
at, og, op, ot, an, ap, am.

- Rapunzel, ~~lesso~~ short term project shared.

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Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 5<sup>th</sup> Date: 12-8-2016 Time: 9:00

Participants:

Jamie K. Deane	
Darius Green	
Ami McClure	
Regina Glass	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

Tom Clark  
Ami Choe

- Provided articles on Problem/Project based learning
- Mrs. Beavers helped 5<sup>th</sup> graders make bees wax. → lip balm tm
- Mrs. Beavers donated containers to get business started.
- Account for business. / First National Bank.
- tax ID #- board approval.
- Building A levee - short term on y drive.
- Activation Code - [www.discovereducation.com](http://www.discovereducation.com).
- \* Science fair concerns.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 6<sup>th</sup> Date: 12-8-16 Time: 8:00

Participants:

<i>Marsha Smith</i>	
<i>Adyenne Keeling</i>	
<i>Angie Davis</i>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Current short term project  
was discussed - tiny house  
for Haiti - 24 sets

- Resources shared

- Grants were also discussed.



Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 3<sup>rd</sup> Date: 12-8-16 Time: 11:15

Participants:

<u>Jon Pritchett</u>	
<u>Broderick Johnson</u>	
<u>Regina Glass</u>	
<u>Mariah Kubbie</u>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Update on recycling. Students  
are working on commercials.

- short term: Working on fossil  
short term.

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Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 6<sup>th</sup> Date: 1-12-17 Time: 8:00

Participants:

Amy Davis	
Masha Smith	
Adrienne Keeling	
Regina Glass	
Amy McClure	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Currently working on Tiny House short term project
- New short term project shared
- Long term - will get connected to Extension Office representative for suggestions on erosion - Friday
- Home Depot grant has been applied for
- houses is currently open.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 5 Date: 11/2/17 Time: 9:00

Participants:

Jamie Deaw	
Ann Clark	
James Chase	
Regina Glass	
Amy McClure	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Short term project was shared on "Building a Level."
- Kids have been researching recipes for lip balm. They are still researching where to get bees wax as well.
- Need information on business.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 3<sup>rd</sup> Date: 1-12-17 Time: 11:30

Participants:

<i>Lou Pritchett</i>	
<i>Brooke Graham</i>	
<i>Mariah Brubaker</i>	
<i>Clay Mc</i>	
<i>Regina Glass</i>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

*- Working on graphs to show much paper has been recycled.*  
*- Working on commercials for recycling.*  
*- Discussed plans for class structure changes.*

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 6<sup>th</sup> Date: 1-26-17 Time: 8:00

Participants:

Masha Smith	
Phyllis Lewis	
Regina Glass	
Amy McClure	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Mars Rover short term was shared  
Coding Update  
- Completed hour of code - on average,  
opportunity to code once a month

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Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 3<sup>rd</sup> Date: 1-26-17 Time: 11:20-12:05

Participants:

Brooke Graham	
Lai Mitchell	
Regina Glass	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- opportunity to do code.org  
once a week.

- short term project on turtles  
(addresses habitat of Georgia  
science standards).

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 4<sup>th</sup> Date: 1-30-17 Time: 10:30

Participants:

Cassidy Langham	
Jane Redding	
Angie McO	
Regina Glass	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Students have finished the proposal for garden beds. Plans to share with Home Depot and All Hardware.
- Short term plans for force and motion.
- 2x a month on average use of code.org

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 2nd Date: 1-30-17 Time: 12:45

Participants:

Loralee Bowser	
Christie Stephens	
Christie Liu	
Amy McClure	
Regina Glass	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Future plans: On Dash robot  
dup, 1/2 class will do code.org  
while other 1/2 does Dash.

- Short term project was  
shared.



Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 1st Date: 1-30-17 Time: 1:35

Participants:

<u>Christy Peden</u>	
<u>Nancy Barrie</u>	
<u>Lacey Bailey</u>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

Worm factory here @ 1-31-17. / Worms arrive next week

See it

Brenda Jackson can come Thur. @ 3:15 to train  
2/1

Bee bot moved to classroom. / Part of stations

Access to computer lab on Tuesday.

Bee bot mats. - ten less / ten more #6 0-100 ✓

Pronouns - Personal  
He, she, it, they, we,  
her, him, us, you.

2 sets  
what's ten more than \_\_\_\_\_  
what's ten less than \_\_\_\_\_



Eton Elementary School

STEM Professional Learning Log

Grade Level(s): K Date: 1-30-17 Time: 2:15-2:50

Participants:

Battal L. Chastain	
Michael Nelms	
Christy Flowers	
Donna Hedrick	
Angela	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

Coding - 8-8:45 → Chastain  
in Lab. 8:50-9:35 - Nelms  
9:40-10:25 - Flowers. ↗  
12:10-12:55 ~~11:45-12:30~~ - Hedrick ↖

Bee Bot Mats → Adding + Subtracting up to 10. ✓  
Word family cards.

Discussed  
Henry Penny Short term.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 1st Date: 2-6-17 Time: 1:35

Participants:

<i>Lisa Bailey</i>	
<i>Mary Garcia</i>	
<i>Christy Peden</i>	
<i>Regina Glass</i>	
<i>Anly McClure</i>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

Brenda Jackson (Murray County Extension Office) presented information and training on vermicomposting for 1st grade teachers. She shared info on what vermicomposting is, what to "feed" the worms/what NOT to "feed" the worms, feed once a week, what other critters are okay, 1 pound per level, a mixture for bedding, 1 inch strips (newspaper), dry leaves/straw are most natural, as well as troubleshooting.

[ugaurbanag.com](http://ugaurbanag.com)

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 4<sup>th</sup> Date: 3-6-17 Time: 10:25-11:10

Participants:

Jane Redding	
Cassidy Langham	
Patty Peterson	
Regina Glass	
Andy McClure	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
  - STEM Artifacts
  - Teacher Content Knowledge
  - Business Partnerships
  - Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Resources shared for integrating math and science
- Planned a short term project based upon perimeter/area and food chains → planning a garden.
- Resources were also given for STEM reflections.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 2<sup>nd</sup> Date: 3/6/17 Time: 12:40-1:25

Participants:

<i>Gennifer Stephens</i>	
<i>Joseph Bowen</i>	
<i>Christina</i>	
<i>Regina Glass</i>	
<i>Amy McClure</i>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Resources were given on integrating math and science standards.

- Resources were given on STEM reflection.

- Upcoming math standards were discussed on how to integrate science

- Long term - Update on raised beds and planting.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 1<sup>st</sup> Date: 3/6/17 Time: 1:35-2:10

Participants:

<i>Christy Peden</i>	
<i>Mary Beth Garcia</i>	
<i>Arnell Allen</i>	
<i>Amy McClure</i>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Discussed data that students would collect on worm bins.
- Demonstrated how food data & water data would be collected.
- Provided balances to each teacher to measure amt of food.
- Short term STEM must be standards based.
- Went over Rain stick short term STEM
- Showed example.

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): K Date: 3/6/17 Time: 2:15-2:50

Participants:

<u>Balraj L. Choudhary</u>	
<u>Christ Flaw</u>	
<u>Michelle Nelson</u>	

Topics Addressed:


- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

→ Initial sounds Bee Bot Mats.

- Initial sounds  
- Ending sounds

\*Picture cards  
Simple

 - at  
ca -

→ Working on Henny Penny

→ Add & Subtracting in Math.

→ Animals Baby/Mom /Zoo/Farm.

→ Plants beginning of April  
Caterpillars / Butterflies - lifecycles.

Look for start term -

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 6<sup>th</sup> Date: 3-9-17 Time: 8:00

Participants:

Amy Davis	
Regina Glass	
Amy McClure	
Marsha Smith	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- ~~DD~~ Discussed students' plans for erosion: planting trees, begin composting

- Resources game for integrating math and science

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 5<sup>th</sup> Date: 3-9-17 Time: 9:10

Participants:

<u>Amy Chase</u>	
<u>Don Clark</u>	
<u>Gamie Deau</u>	
<u>Regino Glass</u>	
<u>Amy McClure</u>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Discussed safety concerns with pouring wax for lip balm - discussed possible gloves. P.O. Orders were also problem solved.

- Resources given for integrating math and science

Eton Elementary School

STEM Professional Learning Log

Grade Level(s): 3<sup>rd</sup> Date: 3-9-17 Time: 11:20

Participants:

<u>Lori Pritchett</u>	
<u>LaVonda Sentry</u>	
<u>Brooke Graham</u>	

Topics Addressed:

- Short Term Projects
- Long Term Projects
- STEM Vision and Culture
- STEM Artifacts
- Teacher Content Knowledge
- Business Partnerships
- Technology
- Robotics
- Coding
- Engineering Design Process
- Resources
- Rigor and Relevance
- Development of integrated lessons
- Investigative Research

Notes:

- Provided resources and info on integrating science into math.
- short term update on Turtles short term project
- 3<sup>rd</sup> grade will be assisting 6<sup>th</sup> grade with composting