Create a Meme

About your current teaching situation

https://memeful.com/generator
Share to Twitter using #teachermeme
Tag @abrownlee79 @tobiabrooke
Experiments, Explorations & Entrepreneurship

Making More of the Math Classroom

@abrownlee79  @tobiabrooke
About us...
Success in the math classroom today.
How might we bridge the gap?
Math is Everywhere...
If you build it, there is STEAM Explorations...
HOW WE EXPLORE

Living Museum Artifacts (interdisciplinary)

3D-printed Scaled Models

Published Cookbook (interdisciplinary)

Builder Challenges
Builder Challenge

Build a catapult for a ping pong ball with a budget.
Awards for farthest, most accurate, and most thrifty
Share & Debrief.

What went well? What was most challenging? How was success measured? What math/science is involved that can be assessed?
MAKING...MORE FUN

Explorations...through gaming
How we Have Fun

Integer Card Game

Vocabulary Games

BreakoutEDU—games and creation

AR/VR tutorials with a gaming aspect

Math outside!
CHALLENGE ACCEPTED

GAMER CHALLENGE

Choose Your Adventure

10:00

Explorations...
Share & Debrief.

What went well? What was most challenging? How was success measured? What math/science/tech/art is involved that can be assessed?
Making More of Math

Entrepreneurship...
Getting to YES

Generating ideas
How we Do Business

Student-run business through

Purpose

Skills

Collaboration

Community

Give Back
Our Purpose

**LCS Innovations**
We are dedicated seventh grade students who want to end hunger in our community in order to inspire change and conquer food inequity.

**InspirED**
Our mission is to educate and inspire the communities around the globe to protect our environment and the animals that live in it.
How we Use Math in our Business

Product Research  Analyzing Data

Prototypes  Scaled Drawings

Materials/Market Research  Rates/Unit Rates

Profit and Loss Sheets  Decimals

Profit Margin  Percents

Projections  Linear equations

And more!
How We Collaborate

Business Days
Marketing
Sales
Product/Operations
Public Relations
Finance
Design
Board Meetings
Living Work Wall
How We Involve Community

Data Research
Bring in Experts
Community Builds
Farmer’s Markets
Street Fair
Share our story
How We Give Back

Research Charities
Charity Partnerships
Choose Charities that are important to us
Divide profits

How to Spend the Profits

We have made $1200 in profits and you have helped to decide where that money will go! Survey results are below and a portion of our money will go to each of the following categories.

<table>
<thead>
<tr>
<th>Survey Results</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Back to Business</td>
<td>50</td>
</tr>
<tr>
<td>School Supplies</td>
<td>58</td>
</tr>
<tr>
<td>Sports Equipment</td>
<td>45</td>
</tr>
<tr>
<td>School Programs/Clubs</td>
<td>47</td>
</tr>
<tr>
<td>KIVA/charity</td>
<td>38</td>
</tr>
<tr>
<td>End of School Party</td>
<td>105</td>
</tr>
<tr>
<td>Hospitals/Animal Shelters</td>
<td>44</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Work</th>
<th>Percent</th>
<th>Money</th>
</tr>
</thead>
<tbody>
<tr>
<td>What percent of the money should go back to the business?</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
Prototype Challenge

Think of a problem faced in your community
Design and build a prototype that could solve the problem
THINK BIG...or SMALL

Entrepreneurship...
What went well?  What was most challenging?  How was success measured?  What math/science/tech/art is involved that can be assessed?
How We Measure Success

“Success is not final, failure is not fatal: it is the courage to continue that counts.” -Winston Churchill

Individual growth over time

Math Skills

Collaboration Skills

Grit

Agency

Enjoyment

Curiosity
The **Journey** is the **Greatest Adventure**

**Q & A Feedback Form**

Link to RWS page: @TobiaBrooke

Link to Resources: @abrownlee79