Mobilizing Learning with iPads

Lucy Gray • Apple Distinguished Educator
MiTE Conference
3 Padlets Today

KWL
https://padlet.com/elemenous/MiTE2017_6

Inspiring Digital Learning Programs
https://padlet.com/elemenous/MiTE2017_4

iPad Best Practices
https://padlet.com/elemenous/MiTE2017_5
Lucy Gray

Innovation Consultant

Co-Founder of the Global Education Collaborative and Conference

Apple Distinguished Educator

Google Certified Innovator

Adjunct Faculty Member

Technology Coach

Middle School Computer Science Teacher

Primary Grade Teacher

Image Source: http://www.flickr.com/photos/genista/6898950/
Introductions
KWL Padlet
School Stories
Production

S

A

M

Test Noises
by C.R. How
I screamed "shut up"
the whole time,
but only loud enough
for my own brain to hear.

Test Noises
I screamed "shut up"
the whole time,
but only loud enough
for my own brain to hear.
By C.R. How
AP Chemistry

The google drive allows students to share work with me, allowing teacher feedback during assignments
On Thursday, I left school. I had the flu. By the time I got home, I felt terrible. I got into bed. I took my temperature. It was 102. I called my doctor.
On Thursday, I left school. I felt fine. By the time I got home, I felt terrible. I got Strat into bed.

I took my temperature. It was 102. I called my doktr.
COMPAÑEROS
Yaite y Sofí
Isaac y Joe T.
Liccy y Esterphany
Isidro y Carlos
Kitali y Lilyan
Ernesto y Sergio
Joe L y Daniela
Yanney y Ellie
Ciilo y Chilen
Yadina, Kathelynn y Karissa
German y Benjamin
La isla de los cadáveres astucios
Scott O'Dell

Esto libro es muy interesante pero mi favorito parte es cuando Killian agarró al pájaro. Y el tiempo estaba justo para Rollo pero Rollo marcó una tentácula de la jirafa y le vendió...
Good writers emphasize important moments in stories by adding lots of details to those sections.

Explore a Moment

Science

Vocabulary:

Grammar:

Cause

Effect

When I heat cool freeze warm

When water ice vapor is cooled, heated

Language of prediction for Science

It... will... going to... drop

because of gravity

It might... (what you think will happen)

Because... because...

It could... (guessing)

because... than because scientific reason with scientific words
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Carlos</td>
</tr>
<tr>
<td>4</td>
<td>Cielo</td>
</tr>
<tr>
<td>5</td>
<td>Daniela</td>
</tr>
<tr>
<td>6</td>
<td>Ellie</td>
</tr>
<tr>
<td>7</td>
<td>Ernesto</td>
</tr>
<tr>
<td>8</td>
<td>Estephyany</td>
</tr>
<tr>
<td>9</td>
<td>German</td>
</tr>
<tr>
<td>10</td>
<td>Isaac</td>
</tr>
<tr>
<td>11</td>
<td>Isidro</td>
</tr>
<tr>
<td>12</td>
<td>Karissa</td>
</tr>
<tr>
<td>13</td>
<td>Katheliyn</td>
</tr>
<tr>
<td>14</td>
<td>Liccy</td>
</tr>
<tr>
<td>15</td>
<td>Lilyan</td>
</tr>
<tr>
<td>16</td>
<td>Sergio</td>
</tr>
<tr>
<td>17</td>
<td>Sofi</td>
</tr>
<tr>
<td>18</td>
<td>Xtitli</td>
</tr>
<tr>
<td>19</td>
<td>Yadira</td>
</tr>
<tr>
<td>20</td>
<td>Yaire</td>
</tr>
</tbody>
</table>
Duplicar el número de cubos

Responde las siguientes preguntas. Usa papel cuadriculado, cubos y cualquier otro material que te ayude a resolver el problema.

1. Tienes una caja que mide 2 por 3 por 5.
   ¿Cuántos cubos caben en la caja? ¿Cómo lo sabes?
   
   \[
   30 \quad \text{Porque} \quad 2 \times 3 = 6 \times 5 = 30
   \]
   ancho \quad largo \quad alto

2. Una fábrica quiere que construyas una caja donde quepan el doble de cubos que en la caja del ejercicio anterior. ¿Cuáles deben ser las dimensiones de la caja para que contenga el doble de cubos que caben en la caja que mide 2 por 3 por 5? Escribe las dimensiones y explica cómo obtuviste la respuesta.

   \[
   6 \times 2 = 12
   \]
   \[
   \frac{12}{5} = 60
   \]

3. Dibuja el diseño de la nueva caja en la parte de abajo de esta página o en un papel cuadriculado.

**Supérate:** Mira cuántas cajas puedes hallar donde quepan el doble de cubos que caben en una caja de 2 por 3 por 5. Anota cada una de las dimensiones.
Method:

1) Collect 5 beetroot cores from the beaker provided. Cut each core into 2 cm sections until you have enough for one core for each temperature of water bath that you will be using. Put your 2 cm sections into a test tube with plenty of distilled water.

2) Label a set of test tubes (one for each temperature of water bath) with the temperature and your initials. Add exactly 5 cm³ of distilled water to each test tube and place your tubes, one in each test bath, for 5 minutes to equilibrate to the temperature of the water bath.

3) Remove your beetroot cores from the distilled water and blot gently on a paper towel. Decide whether frozen or mounted needles are best for handling the tissue and what damage this might cause to the cores.

4) Place one 2 cm beetroot core into each of your test tubes and leave in the water bath for 30 minutes.

5) After 30 minutes, shake the test tubes gently to make sure any pigment is well-mixed into the water, then remove the beetroot cores.

6) Describe the depth of colour in each test tube. A piece of cardboard behind the tube will make this easier to see. Arrange the tubes in order of temperature of the water bath.
if there is too many plugs it could be dangerous.
ELECTRICITY SAFETY

BE CAREFUL AROUND OPEN WIRES AS IF WATER IS DROPPED IT IS HIGHLY FLAMMABLE.

DANGER
Electricity

IF UNSULATED PIECES OF METAL ARE FORCED THROUGH A SOCKET IT MIGHT CAUSE AN ELECTRIC SHOCK.
Table Talk

What are field experiences like for your students? Do they get to observe digital learning programs? How do they document these experiences?
Take a Look at Apple Distinguished Schools
iTunes.com/appledistinguishedschools

Browse these iBooks and find an example that inspires you and add it to this padlet.
https://padlet.com/elemenous/MiTE2017_4
It Starts with a Plan
## A Roadmap to Innovation

Other Plans

• Waukesha Schools
• Horry County Schools
• State of Maine District Learning Technology Plan Template
• St. Vrain Valley School District
• Yarmouth Schools

• Do you know of other school districts with great plans for digital learning?
Lessons Learned

- Planning for mobile learning starts at the top, but must be grown from the bottom.
- Empower the teachers.
- Put the right people in place to make things happen. Thinking about human capital is essential.
- Be creative and strategic with professional development.
- Use a few apps well; recommend a core list of apps for a classroom or school.
- Fully utilize the Apple ecosystem.
- Deepen the learning with SAMR.
- Explore the accessibility features.
- Consider what is possible with toys and peripherals.
- Share best practices.
Your Turn
Find these slides at
http://www.lucygray.org

lucy@lucygrayconsulting.com
@elemenous on Twitter
@GlobalEdCon on Twitter
http://globaleducationconference.com