Session 607
Flipping the Mobile Model: Beacons, Tablets, and xAPI Tracking

Megan Torrance, TorranceLearning

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Megan Torrance
CEO, TorranceLearning

Connect with me
mtorrance@torrancelearning.com
@MMTorrance @TLearning
linkedin.com/in/megantorrance
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Tool for the Real Potential of
Download your phone's extended
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Right Front Bumper

- No damage
- Slight damage
- Moderate damage
- Unreparable damage

Bumper

Housing

Labor

Bumper Gear

Estimate to repair:

$00.00

HINT MODE

OFF
 PACKET TRAFFIC

How it works

- Choose a character from the blue sign to e-mail to Tokyo. Notice the code of black and white dots next to your choice.
- Use the black and white balls to write the code for your e-mail in the COMPOSE tray.
- Send your e-mail. What happens to your email?
- Move to the INBOX. Watch as the e-mail arrives. Does the pattern of the black and white balls match the character you sent? Check the red sign next to the INBOX to find out.

What's going on?

Try this at home!

In the real world

Packet switching was first used for military purposes in the early 1960s and then used for small networks in 1968.
Beacon, NFC, QR ...
DEEP

Digitally Enhanced Exhibit Program
Anatomist, Surgeon
In 1858, he published the book Gray's Anatomy, which is still considered an authoritative textbook for medical students.
RFID Tag

Antennae

6 Exhibit Screens Content

Dashboard

PHASE 1

PHASE 1.5

PHASE 1.6

Badge IDs

LRS
Stand in front of the camera and notice the temperature of different parts of your body — your head, your arms, your stomach.

If our bodies are a constant 98°Fahrenheit, why do some body parts appear cooler?

- The temperature of some body parts drops when you stand still
- Your body temperature is affected by clothing and outside temperature
- Your body temperature is not actually 98 degrees Fahrenheit
- Your head temperature is warmer because you’re a natural hot head
What scientific topics do you see in this exhibit?

Type your answer here

Submit
Construct your explanation of what is happening in the exhibits. Drag and drop your answers into the blanks based on your observations.

I believe that [ ] is caused by [ ] because I observed [ ].

- the light turning on
- the three-way switch has two different closed circuit paths
- the light turning off
- flipping the switch
- flipping the light switch causes the circuit to open and close
- closing the circuit
- opening the circuit
- electricity is always flowing whether the circuit is open or closed
- up doesn’t necessarily mean “on”
- the light turning on or off

RESET ANSWERS  
NEXT QUESTION
Barbara McClintock answered "Parts of me look cooler because I see blue colors after I move" on Infrared Q3 a few seconds ago.

Cecilia Payne-Gaposchkin answered "Infrared light is too bright for us to see" on Infrared Q2 a few seconds ago.

Edwin Armstrong finished Blast Off!

Alan Turing answered "The rocket flies higher with higher psi levels" on Blast Off Q4 2 minutes ago.

Mary Anning answered "It isn't big enough to get into space" on Blast Off Q3 2 minutes ago.

Amar Bose finished Ferrofluid!

George Washington Carver answered "Because the magnets cause the iron particles in the ferrofluid to clump together" on Ferrofluid Q3 5 minutes ago.

Ida Noddack answered "Light waves that objects reflect based on smell" on Infrared Q1 5 minutes ago.

Gertrude Elion answered "The ferrofluid becomes a solid when exposed to the magnets" on Ferrofluid Q2 5 minutes ago.

Gustave Eiffel viewed the "design" section on Building Q2 5 minutes ago.

Rita Levi-Montalcini answered "The liquid changes shape" on Ferrofluid Q1 5 minutes ago.

Ida Noddack finished Infrared!

Ida Noddack viewed the "astronomers" section on Infrared Q4 8 minutes ago.
RFED BADGE

Henry Gray

Anatomist, Surgeon
In 1858, he published the book Gray's Anatomy, which is still considered an authoritative textbook for medical students.
PHASE 2.0

Beacon

20 Exhibit Screnns

Teacher Dashboard

Beacon Mgmt

Content Mgmt System

LRS

Reports & Visualizations
## Beacon Groups > Edit Beacons in Scientists Group

### Table: Beacons in Scientists Group

<table>
<thead>
<tr>
<th>Name</th>
<th>Group</th>
<th>Reserved For</th>
<th>Factory ID</th>
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**Add Beacons to Group**
Amazing Pipes > Pages

1. Landing Page
   CREATED BY: Matt Kliewer
   DATE: 05/30/2016 10:20a

2. Page 1
   QUESTION
   CREATED BY: Matt Kliewer
   DATE: 05/30/2016 10:30a

3. Page 2
   INFORMATION
   CREATED BY: Matt Kliewer
   DATE: 05/30/2016 10:30a

Finish
Next
Welcome Grade 3 Student!

What did you observe? Use 3 words.

[Blank lines for responses]
Welcome Grade 3 Student!

How does a nanometer magnetite particle compare to a refrigerator magnet?
Drag the terms to the correct part of the diagram. Some might not be used.

- always liquid
- always solid
- always magnetic
- never magnetic
- never liquid
- never solid
- sometimes magnetic
- sometimes liquid
- sometimes solid
- reacts to other magnets

magnetite
ferrofluid