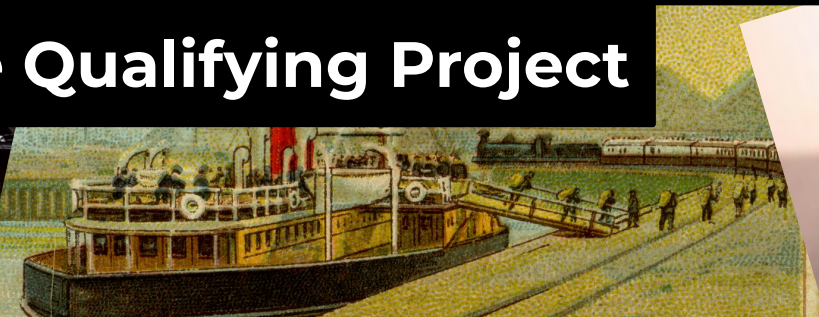




The Postal Museum: in a Box

An Interactive Qualifying Project



Who We Are



Connor Dietz

Mechanical
Engineering



Tabitha Gibbs

Robotics
Engineering



Ben Schade

Management
Engineering



Owen Smith

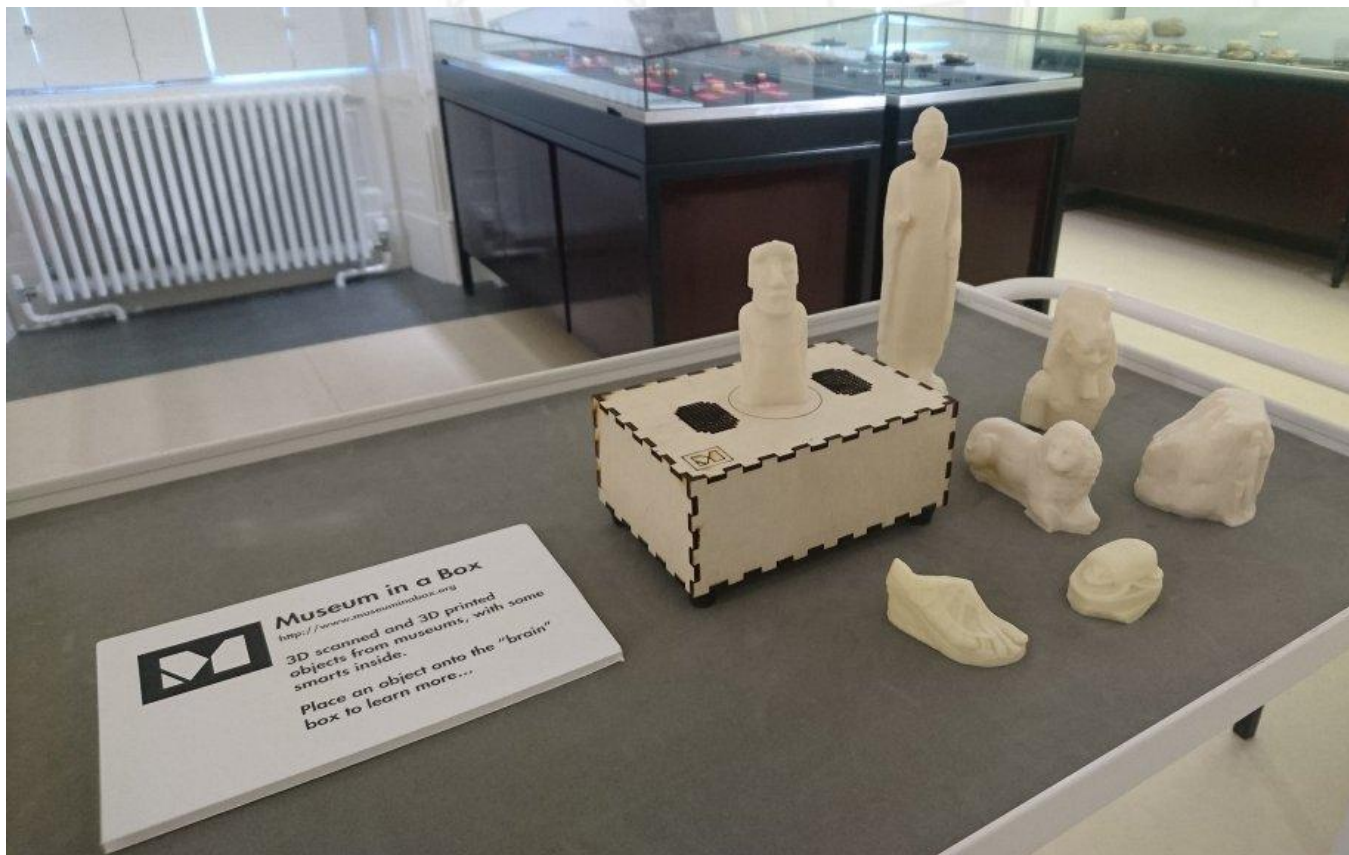
Robotics
Engineering



The Postal Museum



Museum in a Box



Objectives

Design Criteria

Lesson and Bundle

Recommendations



Scripts should be fast and fun



George Oates
MiaB Founder

Children lose interest quickly, try to capture their attention and don't keep them longer than a minute.

Take potentially boring monologues, and make them creative or a bit silly



Charlie Cattel-Killick
MiaB Lead Designer

Items should be informative, yet spark discussion



Helen Chatterjee
**Object-based Learning
Researcher**

Have a range of diverse objects that are interesting to hold and explore.

Do not worry about replacing a museum visit



Martin Devereux
**TPM Digital Content
Development Manager**

Make use of what the Postal Museum has to offer, both on display and not

Modular curriculum attracts schools



Eric Cota
Year 4 Teacher

Using historical context to reinforce literacy skills keeps students engaged with school lessons.

Relating historical content to the modern day grounds it with real world context.



Valentina Evangelou
Computing and Online Safety Lead,
Lancasterian Primary

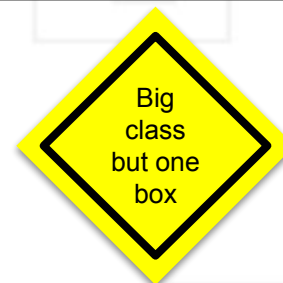
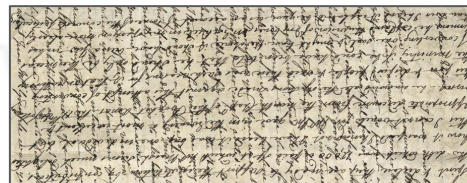
Lesson Format



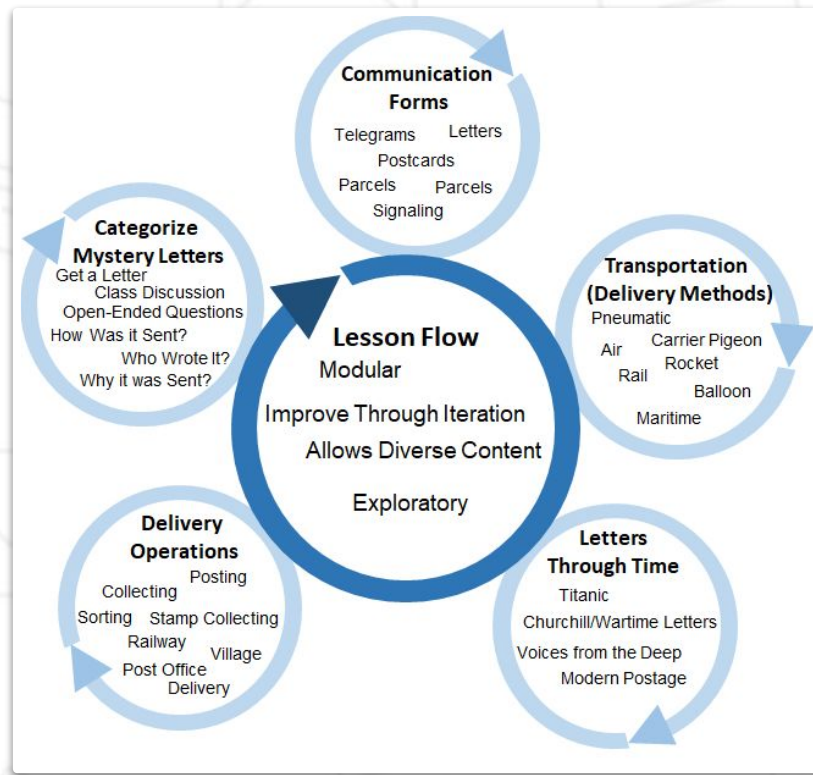
Charges to pay _____s. _____d. RECEIVED	POST OFFICE  TELEGRAM	No. _____ OFFICE STAMP
At.....m	Prefix. Time handed in. Office of Origin and Service Instructions. Words.	At.....m
From.....		To.....
By.....		By.....

I recd a pkg estrda. It was fm the trn cond.

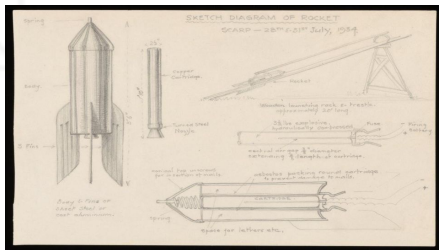
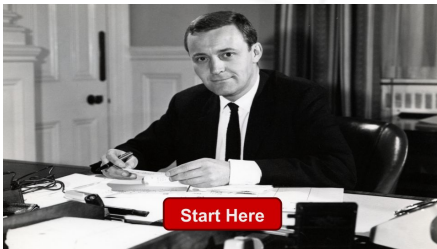
For free repetition of doubtful words telephone "TELEGRAMS INQUIRY" or call with this form B or C at office of delivery. Other enquiries should be accompanied by this form and, if possible, the envelope



Lesson Framework



Lesson Overview



Lesson and Bundle

MiaB Demonstration



Lesson and Bundle

Classroom Testing



St. Mary's Primary School

Students
left
halfway
through

Lesson and Bundle

Classroom Testing



Lesson and Bundle

Kids had a positive experience with MiaB



Group number: _____

How much did you **enjoy using** Museum in a Box compared to normal school activities? Please circle your answer



Much less



Somewhat less



Same



Somewhat more



Much more

How much did you **learn from** Museum in a Box compared to normal school activities? Please circle your answer



Much less



Somewhat less



Same



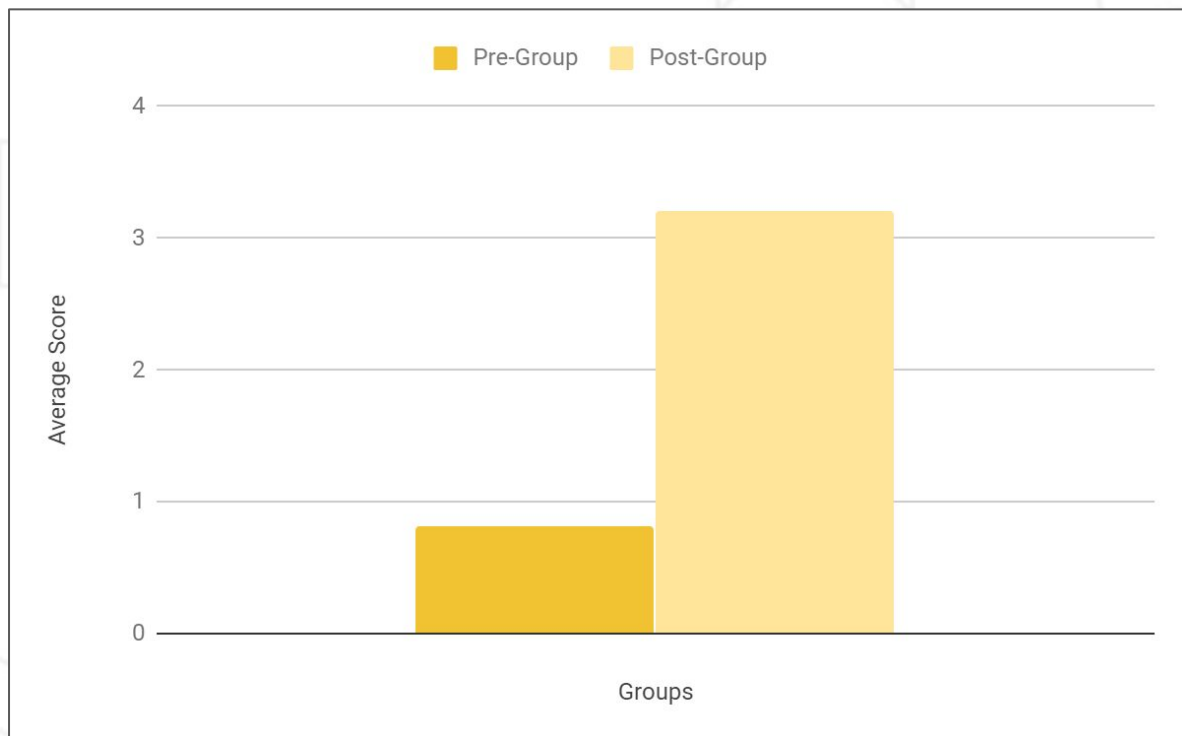
Somewhat more



Much more

Smaller sample size

Interest → Engagement → Learning



Group No. _____

Delivery Collection

As you participate in the activity, answer the following questions:

Name as many mail delivery methods as you can from the 20th century:

What is the biggest modern problem with having posties on bikes?
A) Long distance B) Too many parcels C) Easy to get lost

What explosive delivery method from the 1900s is not used today?

The Mail Rail was a very special train that ran under London. Because it was underground, it needed a special way to power it through its rails. What was it?

Content Recommendations

Audio

Items

Worksheets

When developing quality audio:

- Scripts should be exciting and clear
- Voices should have unique character
- No more than 45-60 seconds long
- Write with consideration to the audience
- Use sound effects to hold attention



Recommendations

Content Recommendations

Audio

Items

Worksheets

Items in a MiaB bundle should:

- Have sensory diversity
 - 2D v. 3D
 - Interesting color and texture
- Use intuitive NFC placement
- Be simple and recognizable
- Be fun to hold and look at



Recommendations

Content Recommendations

Audio

Items

Worksheets

With items, include worksheets that:

- Have easy to understand questions
- Challenge student creativity
- Relate to curriculum
 - History
 - Literacy
- Supplement MiaB content

Group No. _____

Delivery Collection

As you participate in the activity, answer the following questions:

Name as many mail delivery methods as you can from the 20th century:

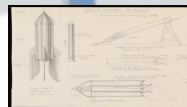


Logistical Recommendations

- ➔ Two to three small groups per classroom
- ➔ Students should stand while using MiaB
- ➔ Ask comprehensive and engaging questions
- ➔ Include additional outreach activities
- ➔ Keep improving content through feedback



Bringing Our Findings to a Global Scale



Recommendations

Acknowledgements

Martin Devereux

Sponsor, Head of Digital Development

Sally Sculthorpe

Learning Team Manager

Andrew Bruce

TPM Content Digitiser

George Oates

CEO of Museum in a Box

Charlie Cattel-Killik

MiaB Lead Designer

Valentina Evangelou

ICS Primary School Teacher

Eric Cota

Year 4 Teacher

Kathleen Tekiner

Year 4 Teacher

Andrew, Eli, Jade, Ian, Martin, Andy

Our Voice Actors

All the Postal Museum Staff

You put up with us