



FULL STEAM AHEAD

RAIL STORY EDUCATIONAL OFFER

DEBBIE CROSS

AUDIENCE DEVELOPMENT COORDINATOR

Project Background

- ▶ 2013 Bahamas Locomotive Society secured HLF funding to restore 45596 Bahamas Jubilee Class Engine
- ▶ Audience Engagement Project developed in partnership with the Vintage Carriages Trust and the Keighley & Worth Valley Railway
- ▶ Audience Development Officer recruited in April 2014



Audience Development Coordinator Role

- ▶ Create an educational offer for school groups
- ▶ Develop a selection of talks and lectures for U3A and local history groups
- ▶ Community engagement projects
- ▶ Develop a family events programme
- ▶ Develop the look and brand of Ingrow Station
- ▶ Develop a new marketing and publicity plan

Rail Story at Ingrow West Station



Rail Story at Ingrow West Station



Rail Story Museums

Carriage Works



Engine Shed



Rail Story Educational Facilities

Learning Coach



Restoration of the Learning Coach



100

The collage consists of four photographs showing the interior of a red train carriage. The first photo on the left shows a calendar on the wall with the word "DAY" at the top. Below the calendar is a small doll with a white beard and a blue hat, sitting on a red surface. A white label with the name "Mike" and the number "5" is attached to the doll. The second photo shows a similar doll, also with a white beard and a blue hat, sitting on a red surface. A white label with the name "Paul" and the number "8" is attached to the doll. The third photo shows a brown suitcase with a doll inside. The suitcase has several labels, including "HOTEL TIROL" and "D.J.B.". A white label with the name "Bill" and the number "7" is attached to the doll. The fourth photo shows a display case containing a doll, a book titled "METROLAND", and a photograph of a train. A white label with the name "Ian" and the number "9" is attached to the doll.



Developing the Learning Offer

Changes to the curriculum



Developing the Learning Offer

Resources and Objects



Developing the Learning Offer

Resources and Objects



Developing the Learning Offer

Resources and Objects



Developing the Learning Offer

MDY Small Grant

► What help we asked for:

- Create several science and maths workshops for KS1 and KS2
- To offer advice and support on delivering the workshops and training the new learning team
- To help create a full range of resources to use in the workshops

► This work would help:

- To develop our museums to deliver cultural experiences
- Give children the opportunity to participate
- Create new ways to make our museums more active
- Offer children the opportunity to experience the richness of museums

Developing the Learning Offer

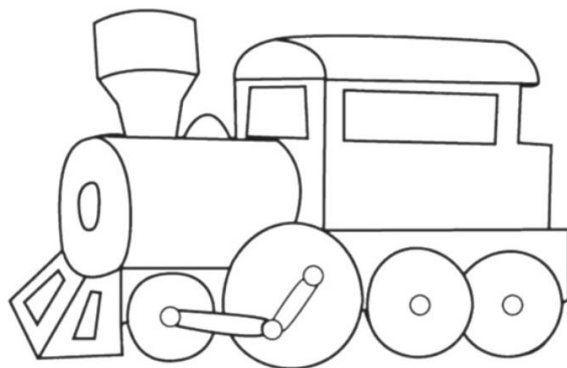
Work Sheet Examples - Maths



KS1 MATHS TRAIL ENGINE SHED



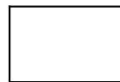
2. SPOTTING SHAPES ON AN ENGINE



How many 2D shapes can you find on the surface of a train engine?



Circles



Rectangles



KS2 MATHS TRAIL ENGINE SHED



5. How Big is an Engine Shed?

a. Measure the length of one of the engines in the Engine shed.

_____ metres _____ centimetres OR _____ feet _____ inches

b. Measure the width of one of the engines in the Engine shed.

_____ metres _____ centimetres OR _____ feet _____ inches

c. Estimate the height of one of the engines.

_____ metres _____ centimetres OR _____ feet _____ inches

Developing the Learning Offer

Work Sheet Examples - Science

Am I Alive?

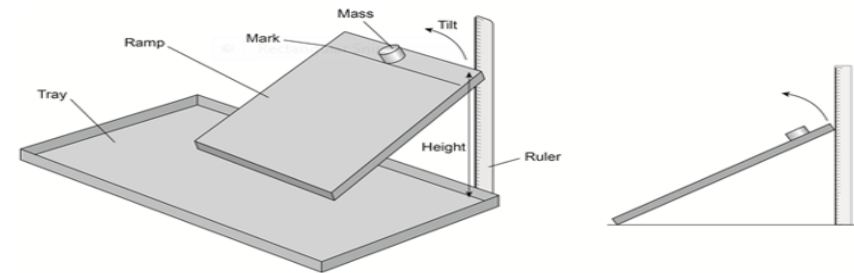


In the past some people were afraid of steam trains and others thought they were alive. Why do you think they thought like this?

You should be able to find this description and photograph on display in the museum.

Where is it? _____

Diagram



Method

1. Start with a clean, dry ramp with the lower end inside a tray as shown in the diagram.
2. Place a 100 g mass on the mark near the top of the ramp.
3. Carefully tilt the ramp upwards until the mass begins to slide down the slope.
4. Without moving the ramp any further, measure the height of the end of the ramp and record it in the table.
5. Repeat the test from stage 2 twice more and find an average height.
6. Repeat the experiment but wet the ramp with water using a cloth before the test.
7. Dry the ramp and repeat the experiment with the other lubricants one at a time making sure that you record the lubricant name in the table.
8. You must clean and dry the ramp between lubricants.

Developing the Learning Offer

Pilot Schools

I enjoyed doing the science and blowing up the balloons.

I enjoyed Science With Mandy and the Stop Watch.

I really enjoyed doing everything today. I think I would like to come here again.



I enjoyed looking at the engines and learning about science.

I enjoyed the maths and measuring.

I enjoyed when we had to go and find shapes.

Developing the Learning Offer

Rail Story Workshops

Friction

Building Bridges

WWII Evacuees

Changes of State

Don't Miss the Train

Railways & the Industrial Revolution

From Root to Tip

Art, Nature and the Railway

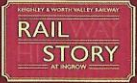

Seaside Holidays

Murder on the Rails

Teddy Bears to the Rescue

The Railway Children


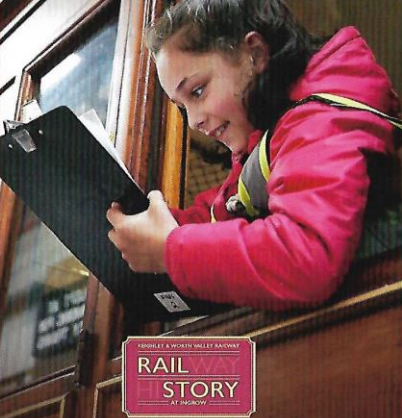
Developing a School Audience



Timetable

All of our workshops are based on a group consisting of up to 30 children and six adults. Due to the space restrictions of our classroom in the Learning Coach, classes will be split into two groups of 15 for the day. Most of our workshops follow the same itinerary. Here is an example of a typical school visit to Rail Story Education Centre where the school has booked onto one of our workshops and has added a train ride onto the day.

10:00	School arrives at Rail Story Education Centre.
10:10 – 10:30	Welcome and introduction. Class is divided into two groups of 15. Coats, bags and lunches are placed into a secure storage cupboard.
10:30 – 11:45	Group 1 – Stay in Learning Coach and partake in paid workshop. Group 2 – Catch 10:30 train to Oxenhope and return at 11:30.
11:45 – 12:00	Explore Carriage Works and Engine Shed museums. Prepare for lunch. Time available for Group 1 to purchase items from the shop if required.
12:00 – 12:25	Lunch is on one of the carriages in the Carriage Works or outside if the weather is nice.
12:25 – 14:00	Group 1 – Catch 12:30 train to Oxenhope and return at 14:00. Group 2 – Partake in paid workshop in the Learning Coach. Time available for Group 2 to purchase items from the shop if required.
14:00	Collect belongings from the Learning Coach and return to coach/minibus to return to school.



Rail Story

EDUCATION CENTRE

Rail Story Education Centre is the perfect place to bring so many subjects to life in a unique and historic setting. Located at Ingrow West station on the Keighley and Worth Valley Railway, Rail Story offers a varied and comprehensive educational package which complements classroom learning. With links to Science, Literature, Mathematics, Engineering and Technology, Art and Design, History and Geography, it is the perfect contextual and experiential addition to the learning provision for every child.

In association with
the RAILWAY
Magazine

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The National Lottery
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Rail Story

EDUCATION CENTRE

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WORKSHOP COSTS


All of our workshops cost either £120 or £180... call us for full details.

TRAIN RIDE COSTS

These prices are only available when booked in conjunction with an educational workshop. From September 21 we will be operating a midweek (Wednesday) diesel train. For latest timetables visit the Keighley & Worth Valley Railway website www.kwvr.co.uk/events/month.

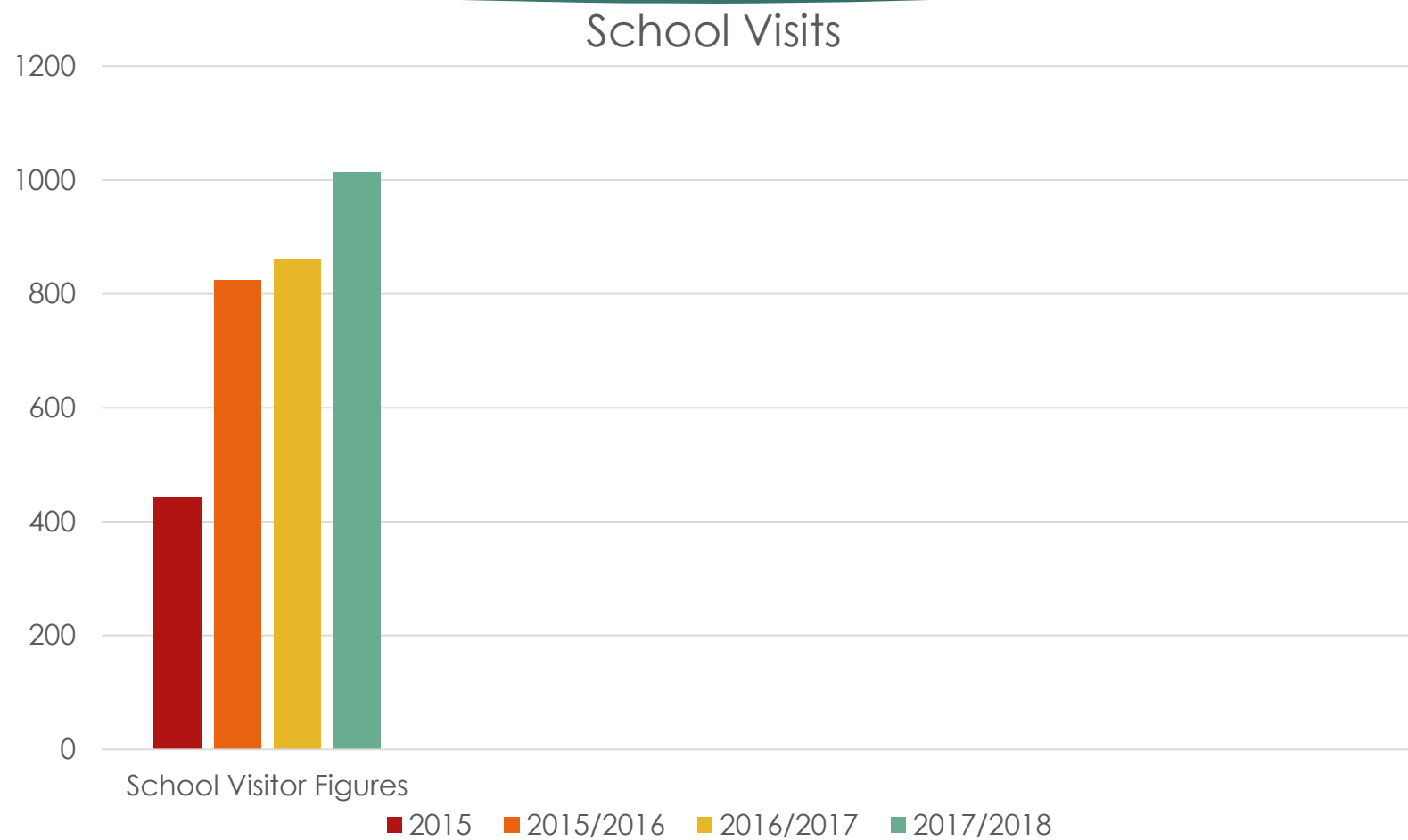
Ingrow West to Keighley Return:		
Steam Train	£78.30	Diesel Train £45.90
Full Line Return:		
Steam Train	£149.70	Diesel Train £93.60

Prices are based on 30 children and up to six adults.



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Where are we now



Science Stars

Science club for 8 to 12 year olds



Thank you for listening



Keighley & Worth
Valley Railway

