

School Cruises on The Danny in partnership with the National Waterways Museum:

Information for visiting teachers and group leaders 2017

From spring 2017, we will be offering school children the extraordinary learning experience of a cruise on the last remaining operational steam tug tender in the UK, the Daniel Adamson, fondly known as the Danny.



The Danny's history is intertwined with the history of the ports and waterways of the northwest, and her rise, decline and regeneration reflects that of the region. Her engineering shows a concrete example of some key scientific principles - change of state (water to steam) and an irreversible chemical change (coal to ash). Her education cruise route allows the children to understand the layout of the land in the area and the intersection of natural and manmade elements.

The learning children do on board is deepened by their experience at the National Waterways Museum and Archive: on their museum tour, they immerse themselves in the historical context of the Danny's early days; in the archive, they explore original historical documents and maps that clarify and expand on the journey they have taken earlier in the day.

BRINGING HISTORY TO LIFE

School cruises, 2017:

May 11

June 15

June 20

Sept 20

Oct 10

Tickets:

8.50 per pupil

(£4 museum
entry and £4.50
cruise)

Suitable for:

KS2 school
groups

- * history
- * geography
- * science

Enquiries:

[learning@daniel
adamson.co.uk](mailto:learning@danieladamson.co.uk)
or

07575 197771.

Cruises: Cruises last approximately 90 minutes. Depending on shipping on the day, the children will either get a chance to see Eastham Locks and the entrance to the River Mersey, or travel upstream through the busy Stanlow Oil docks towards Ince. In small groups, children will explore different aspects the vessel, discovering for themselves knowledge about history, geography and science. They will have the opportunity to ask questions directly to the crew. There will be two schools classes per cruise, each with at least 5 accompanying adults. Cruise and museum activities are all targeted at KS2 pupils.



National Waterways Museum: After the children have had lunch, one class explores the museum and one the archive, and then swap over. Download the museum's *Window on the World* app to explore the augmented reality display that introduces children to the history of the local waterways economy and society. Don't miss the *Mossdale*, the last remaining wooden river barge, and one the Danny would almost certainly have towed between Liverpool and Ellesmere Port. In the archive, children will be divided into small groups for activities based on historical documents, including maps and aerial photos of the area where they have just been cruising. For full information on the museum, download their teachers' guide [here](#).

Schedule of the day:

10.00: Arrive National Waterways Museum
10.15: Depart Telford Quay
12.00: LUNCH – National Waterways Museum
13.00: Group A – Museum Visit; Group B – Archive Activities
13.45: Group A – Archive Activities; Group B – Museum Visit
14.30: End of visit

Curriculum links:

KS2 History: A study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality. Understand historical concepts such as continuity and change, cause and consequence, similarity, difference and significance, and use them to make connections, draw contrasts and frame historically valid questions.

KS2 Geography: Use simple fieldwork and observation skills, aerial photos and maps to identify human and physical features in the area.

KS2 Science: Identifying differences, similarities or changes related to simple scientific ideas and processes. Identifying change of state as water evaporates and is condensed in the boiler and condenser. Identifying irreversible change as coal is burned and turns to ash.



Capacity: Cruises can accommodate two school groups based on a class size of approximately 30 children each. Accompanying adults travel free, and we require a ratio of 1 adult to 6 children for cruises.

Access: Unfortunately, The Danny is not wheelchair accessible. When on board, there are steps to negotiate which people with limited mobility may find challenging.

Background to the Danny: The *Daniel Adamson* is the last operational steam tugboat and passenger tender in the UK. She was built in Birkenhead in 1903 as the *Ralph Brocklebank*, sold to the Manchester Ship Canal in 1922 and saved from the scrapyard by local volunteers in 2004. Finally restored to peak condition in 2016, her history reflects and offers a vantage point from which to explore the history of the region.

From a life of ferrying passengers and towing river barges such as the Mossdale between Ellesmere Port and the thriving Port of Liverpool, the Danny went on to survive two world wars, to host visits from kings, princes, sultans and ambassadors from across the world and to become the official director's launch of the Manchester Ship Canal Company. At this point (1936), her name was changed to the *Daniel Adamson*, the name of the first chairman of the company, and the man responsible for driving the audacious project of building the ship canal.

A visit allows children the chance to explore the physical environment of a working vessel and to see an operational steam engine powering a passenger vessel. In tandem with a visit to the National Waterways Museum, it introduces children to an understanding of the role such vessels played in the busy life of Ellesmere Port and the Ship Canal and the significance of the waterways and ports in local history. Finally, a visit allows them to come to appreciate the escape the Danny has had from the inexorable forces that rendered its kind obsolete, and saw all steam tug tenders destroyed bar this one, which we are lucky enough to have on Merseyside.

Dates of school cruises, 2017: May 11, June 15, June 20, Sept 20, Oct 10

Tickets: £8.50 per pupil, based on £4 museum entry and activities and £4.50 cruise.

All proceeds from our educational visits go to maintaining *The Danny* and her education programmes. Our school cruises are heavily subsidised by Lottery Heritage Funding, but we are required to match that funding with income.

Booking: Booking is via the National Waterways Museum – call 0151 355 5017 or email nationalwaterwaysmuseum@canalrivertrust.org.uk. If you would like to make any enquiries about the Danny in advance, email learning@danieladamson.co.uk or call 07575 197771.

On the day of your cruise:

Location: National Waterways Museum (NWM), Ellesmere Port, South Pier Road, Ellesmere Port, Cheshire, CH65 4FW. From Junction 9 on the M53, follow the brown signs for *The Boat Museum*. There is ample car and coach parking space.

Arrival: When you enter the museum foyer, please sign in at the Information Desk. A prompt 10.00 arrival will allow time for toilet visits etc., in advance of embarkation at 10.15. A member of the Danny learning team will meet you to escort you and your group to the Danny and to brief your group on key safety information, and on what to expect from their cruise.



Access: The Danny is moored at Telford Quay, a ten-minute walk from the museum foyer. Access to the vessel is via the gangway. When on board, there are steps to negotiate which people with limited mobility may find challenging.

Toilets: There are toilets at the National Waterways Museum. There are toilets on board *The Danny*, but we ask schools to use the museum facilities where possible.

Cloakroom: There is no cloakroom in the museum or on board the Danny. You can book storage for coats, etc. in the education building in advance when you book your visit to the National Waterways Museum. If this is unavailable, we would ask you to have the children store their bags on the coach and bring coats as appropriate to the weather.

Group lunchroom: Accommodation for eating packed lunches is available from the National Waterways Museum, which has facilities for both indoor and outdoor picnic lunches, depending on the weather. These facilities are allocated according to a timetable and must be booked in advance. Packed lunches can be taken to the lunchroom on arrival and left there until lunchtime.

Photography: You are allowed to take photographs to document your session. We will only photograph school groups where we have obtained prior consent.

Emergency procedures on board the Danny:

Emergency alarm – seven short blasts of the ship's horn and public address announcements

- If static, lead your group calmly to the prom deck where the gangway is located. If on the water, follow the instructions of the Danny's team. In all instances, The Danny's team will direct you.
- Do not stop to collect belongings.
- If berthed, lead your group carefully down the gangway to the quayside. If on the water, follow the crew's instructions.
- Do not re-enter the vessel for any reason.
- Staff will advise you when it is safe to return.

Risk Assessment and legal stuff on board the Danny

While those in charge of groups visiting the Danny take ultimate responsibility for the health and safety of their groups, we recognise our legal obligations to provide a healthy and safe environment for all visitors. We also have in place:

- Codes of practice for procedures dealing with emergencies, first aid, incidents and accidents.
- Public liability insurance. Full details are available.
- A policy for the safeguarding of children, young people and vulnerable adults.

We have prepared the following risk assessment (1) for school groups visiting the Danny when static, and (2) for schools cruises.

Risk Assessment for Workshops when The Danny is Static:

		(S x L = Risk)									ASSESSED BY Print name: Cathriona Bourke Date: 19/07/2016 REVIEWED BY Print name: Andrea Ward Date: 07/08/2016					
HAZARDOUS ACTIVITY	RISK BEING ASSESSED	SEVERITY			LIKELIHOOD			LEVEL OF RISK			Is risk adequately controlled?	What further action can be taken to control the risk?	Residual Risk following implementation of Control Measure			
		FATAL /MAJOR = 3 Loss / Disability = 2 Minor / Illness = 1			Certain / Very = 3 Reasonably = 2 Seldom/unlikely = 1			6-9 = High (H) 4 = Medium (M) 1-3 =Low (L)								
		1	2	3	1	2	3	L	M	H			L	M	H	
Boarding the vessel	Trips, slips			X	X			X			1. Deck crew to ensure gangway is secure before opening 2. Groups briefed on safe method of walking up the gangway		X			
Exploring the upper prom deck	Trips, slips, bumping against heavy resources			X	X			X			Groups briefed on safe negotiation of the companionway; on walking, not running; and briefed to stow their possessions to avoid trip hazards, to follow instructions on working with resources and not to touch/enter cordoned off areas.		X			
Walking on the main decks	Trips, slips, falling overboard			X	X			X			Groups briefed to walk carefully, especially if the decks are wet, and not to sit on the bulwarks.		X			
Accessing the upper and lower saloons	Trips, falling down trapdoors			X	X			X			Crew check all trapdoors are shut before opening to the public		X			

Accessing the engine and boiler room	1. Falls, 2. bumps to head 3. burns, 4. chemicals 5. secluded area 6. allergy to coal dust			X		X			X		1. Volunteer to oversee ladder. 2. PPE to be worn, 6 pupils max. 3. All furnace doors shut; guardrails in place 5. Chemicals locked away 5. All volunteers on learning team have DBS; sole volunteer never alone with pupils	1. Engine room visits not available for younger than year 5. 2. Teacher to decide in advance if his/her pupils are to have engine room visit	X		
Standing/moving around static vessel	Falls or trips due to vessel rolling as water levels rise			X	X			X			1. visitors briefed on safely going up/down stairs on board. 2. Harbourmaster shares information & crew respond				
Risks to children or young people from adults	Inappropriate behaviour with children		2			2			X		All learning and participation team DBS checked; Safeguarding policy and procedures; good pupil:staff ratios from the visiting school; no access to restricted areas		X		

Risk Assessment for Cruises

Boarding the vessel	Trips and falls			X		X			X		1. Deck crew to ensure gangway is secure before boarding commences and regular checks. 2. Passengers briefed before boarding on safe method of walking up the gangway	Safety net used under gangway, lifebelt on gangway. One crew member at each end of gangway.	X		
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Exploring the upper prom deck	Trips, slips, bumping against heavy resources		X			X			X	1. Passengers briefed on safe negotiation of the stairs; on walking, not running; and briefed to stow their possessions to avoid trip hazards, and not to touch/ enter cordoned off areas. Not to climb or sit on the ships rails	Ensure high risks are made visible or cordoned off.	X		
Walking on the main decks	Trips, slips, falling overboard		X		X				X	Passengers briefed to walk carefully, especially if the decks are wet, and not to sit on the bulwarks and look where they are walking at all times.	Stow ropes neatly, cordon off hazardous areas such as aft cratch and anchor winch area.. crew only signs	X		
Accessing the upper and lower saloons	Trips, falling down trapdoors			X	X			X		1. Passengers briefed on high entry thresholds through doors to saloon and public toilets. 2. Crew check all trapdoors are shut before opening to the public as part of pre-sailing checklist	Keep companionways , passageways and staircase to lower saloon well	X		

Accessing the engine and boiler room	Burns, bumps, injuries			X		X			X	No access to be allowed to non-engine room crew during cruises. Passengers may view engine and boiler room activity via CCTV on the prom deck screen		X		
Access to the bridge via ladder	Fall from height			x		x			x	No access while cruising		X		
Touching funnel whilst cruising	Burn						x	x		Rope off during cruising				
Climbing/Leaning on gate on port side	Fall overboard/drowning			x	x			x		Gate locked/notice on gate	Public briefed when they board	x		
Working outdoors	Sunstroke/sunburn		x			x			x	1. Hats to be worn when working outdoors 2. Sunscreen available				
Electric plug sockets	Electrocution			X		X			X	Child safety covers for sockets	Chief Steward to check they are in place daily	x		
Sitting or leaning over bulwark	Fall overboard/drowning			x		x			x	Public in told not to climb or sit on the bulwark as they board.				
Mooring Ropes and bollards	Tripping over ropes or bollards	x			x					Ropes are tied securely and loose rope is placed on the boat.	Deck crew to ensure an orderly queue is maintained.	x		

Emergency Evacuation	In case of fire or engine failure			x	x			x		A standard safety brief is played at the beginning of every trip which instructs passengers what to do in case of emergency. All crew trained in emergence evacuation procedures.			
Risks to children or young people from adults	Inappropriate behaviour with children		2			2		X		All learning and participation team DBS checked; Safeguarding policy and procedures; good pupil:staff ratios from the visiting school; no access to restricted areas		X	