

STEM FAIRS

These great days out are available in the first and last week of the Autumn and Summer terms. We will send an email to schools about them but you can book your place at any point during the year. For the normal cost of a workshop children can enjoy Science, Technology, Engineering and Mathematics activities around the museum.

CHOOSE 5 OR 6 FROM THE FOLLOWING

KS1 STEM FAIR

This includes a range of activities using the museum objects and ideas from history:

Heathcoat Activities

Children will investigate materials and work out which ones are stretchy!

Magnets

Children will explore which things can be moved by magnets.

Build a wall

Who can build the strongest wall with our bricks?

Cogs and Gears

Children will explore our cogs and gears machine.

Pattern making

Children will take a look at patterns and make their own Tivvy Bumper pattern with familiar shapes.

Light and Colour

Children will explore mirrors, torches and find out how kaleidoscopes work.

Kitchen Weights

Children will weigh some of our ingredients to make recipes from the past.

Bubbles

Have a go at making bubbles in the courtyard.

Testing Transport

Children will have a go at seeing how fast things travel down ramps. They will find out about friction and how gravity works.

PRICES FOR KS1 AND KS2	MEMBER	NON MEMBER
Museum-led and lots of resources with choice of trail in the afternoon	£3.60	£4.80

All museum visits include a lunch space and storage space for bags, coats etc.



HOW TO BOOK

Call or email the Learning & Participation Officer to discuss the needs of your group at education@tivertonmuseum.org.uk or call **01884 256295**

KS2 STEM FAIR

These activities are more in depth and last a bit longer so please choose 4 of the following:

Farming Life

A trail which helps children to gather information about how farming tools and machinery worked and encourages them to think about changes in farming technology.

Wartime Diets

Children will explore a range of foods and find out how they benefit the body. People's diets were very healthy during WW2 and children will find out why. They will also get to plan a healthy wartime menu.

Sounds

Children will explore sounds in the Education room and have a go at making their own field telephone. They will explore sounds made with museum objects and think about how sound waves travel through different objects.

Electric Tiverton

Children will explore circuits for some of our simple machines and they will learn about conductors, insulators and how an electric kettle works (and why it doesn't electrocute you when you touch it!).

Steam is an activity that mixes history, science and technology.

Children will find out about the changing states of water and make levers work to understand how a steam engine travels. Children will explore the features of particular states of water and will also think about chemical reactions such as burning.

Abacus

Children will be able to explore our museum abacus and have a go at a series of challenges using an abacus.

Parachutes

Children will find out about parachute fabric made at the Heathcoat factory, including that used in NASA's Mars landing of Perseverance Rover in 2021. They will explore what factors make the most effective parachutes.

Frozen River

Children will think about why the River Exe used to freeze at Tiverton. They will explore old photographs and prepare information for a short report back in school. They will use this knowledge and build a self-supporting bridge. This is also available as a resource on our website.

These activities are self-guided so adults will need to follow instructions to help their groups. We have designed activities so they are engaging and simple to follow.



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MUSEUM**

of Mid Devon Life



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