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| **Workshop : Transport Past and Present (KS1)****National Curriculum Links**KS1 Science: Working scientifically- observing closely, performing simple tests, identifying and classifying, gathering and recording data. Everyday Materials- Identify and name everyday materials, Compare and group materials- float and sinkKS1 History: Investigating Local HistoryKS1 DT: Make- Select from and use materials according to function, evaluate their ideas and consider improvements. |
| **Learning objectives** | **Session structure** | **Assessment for learning** |
| **To explore how transport has changed over time.****To investigate how a steam engine works.****To draw vehicles from observation****To select the most appropriate materials to build air powered vehicles.** **To work as a team to design and build air powered vehicles.**  | **Introduction**We will explore the museum to investigate the different forms of transport used in Newcastle over time. We will think about the materials and fuels used. This will include action games, questioning, handling objects and observational drawing. **Session activities**In the classroom, students will work in small groups to select the best materials to build an air powered form of transport. They will need to make decisions together, design and build their vehicles. **Plenary**At the end of the session, we will test the vehicles to see which one will travel the furthest and fastest. We will talk about which designs were the most successful and things that we could change to improve the designs.  | Children will explore themes through class and group experiments, we will ask questions throughout to check understanding.Children will have opportunities to respond and give feedback throughout the session. There will be opportunities for Q&A at the end of the session.  |
| **Before your visit** | **After your visit** | **Key vocabulary** |
| Make a free teacher pre visit to familiarise yourself with the site- contact learning@discoverymuseum.org.uk Explore the museum virtually using goggle institute:<https://artsandculture.google.com/partner/discovery-museum>  | * Explore our transport resources <https://discoverymuseum.org.uk/week-2-transport>
* Explore our ship resources <https://discoverymuseum.org.uk/week-8-ships-and-shipbuilding>
 | Transport, vehicle, old, new, axel, wheel, chassis, steam, engine, locomotive, car, ship, lifeboat, penny farthing  |