

KS1 Vehicles, Wheels and Axles

Sarah Pook and Bernard Cooper 20 April 2018 Draft

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Overview

In this document

The following sequence illustrates how children can design and make simple vehicles.

Key features of the activity are the structured way in which children can assemble materials and components such that they experience success early in the activity





Vehicles, wheels and axles

 Children can begin the activity by looking at and exploring model vehicles or toys. They should be encouraged to investigate the arrangements for wheels and axles, to think about the type of vehicle they would like to make, and the particular features that their vehicle should have.





Vehicles, wheels and axles

- The teacher and children should work through the assembly of the basic vehicle.
- Once their basic vehicle is complete, the children can decide how to extend or modify it based on their ideas for their chosen vehicle.
- During the designing and making activities, children should be encouraged to talk about their work. Teachers should use questions to prompt and challenge children to encourage their thoughts to develop.





Vehicles, wheels and axles

 Once their vehicles have been made, children should draw their finished work and where possible describe any significant features.















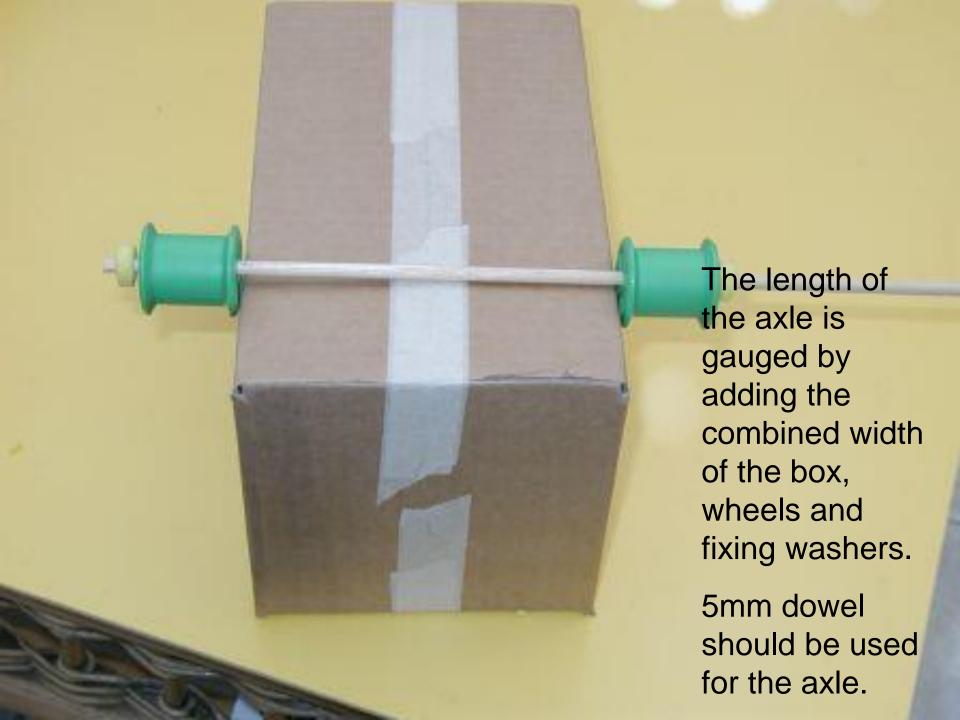


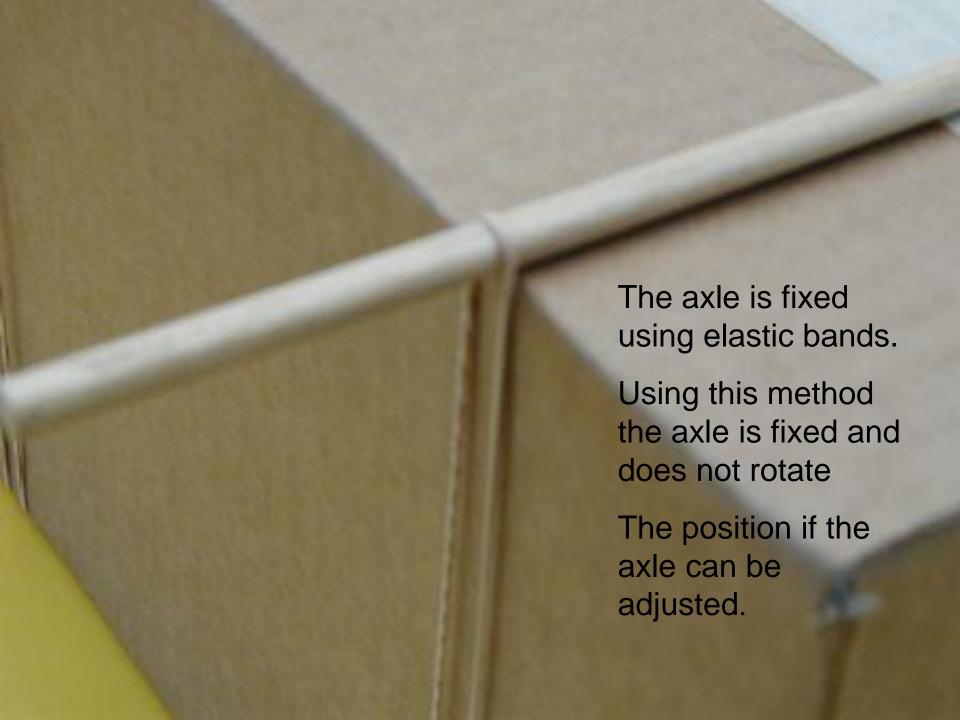


Particular attention should be given to details such as the wheel and axle arrangements, which children will have to make provision for in their designing and making.

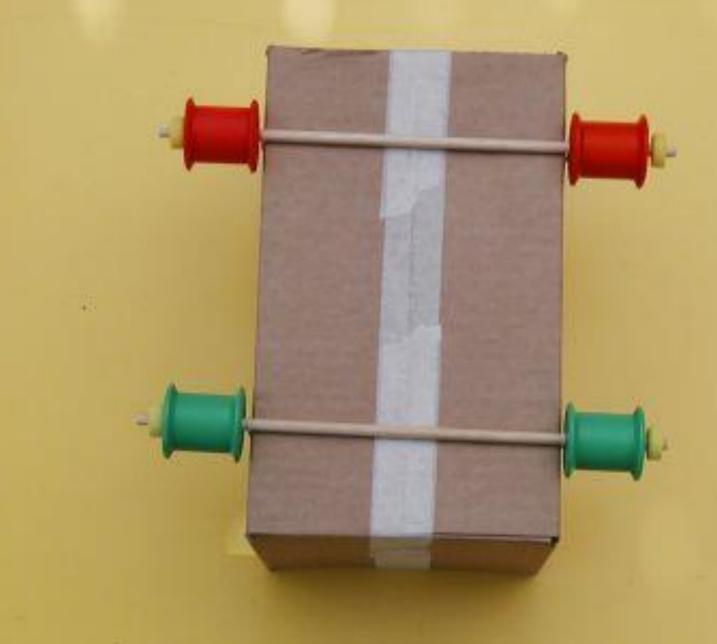


Card box used as a vehicle chassis or frame. Any accurate and 'square' shaped object can be used.

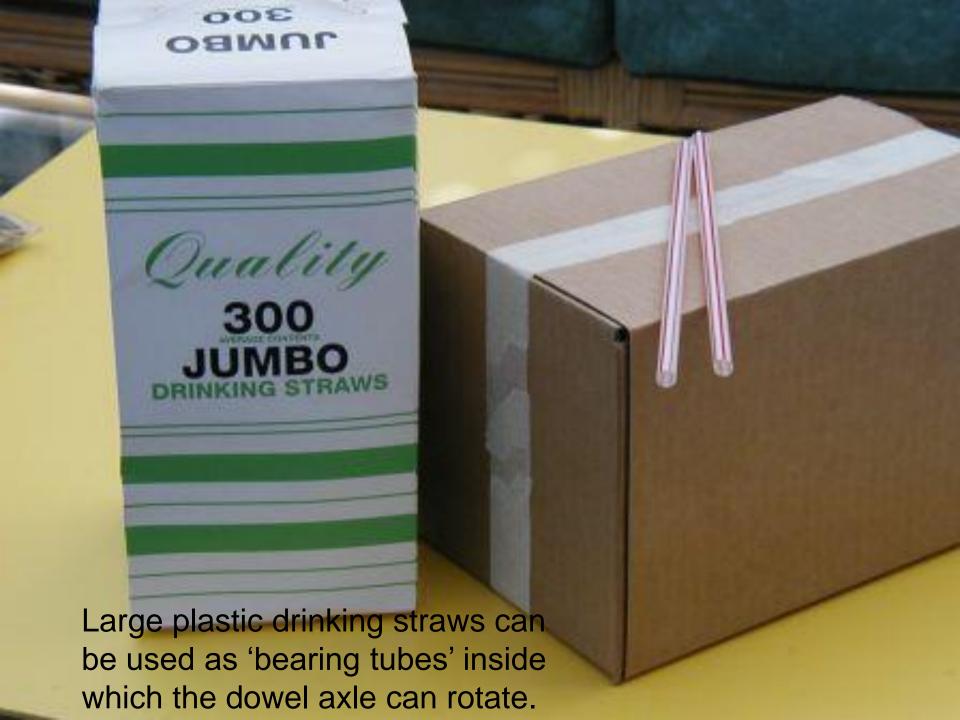


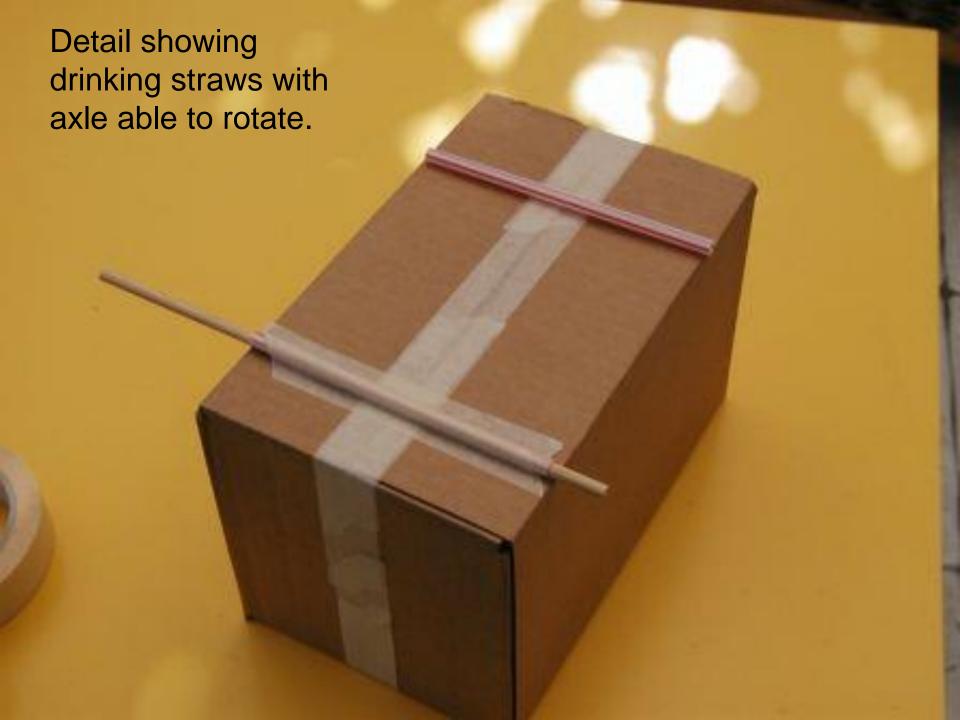




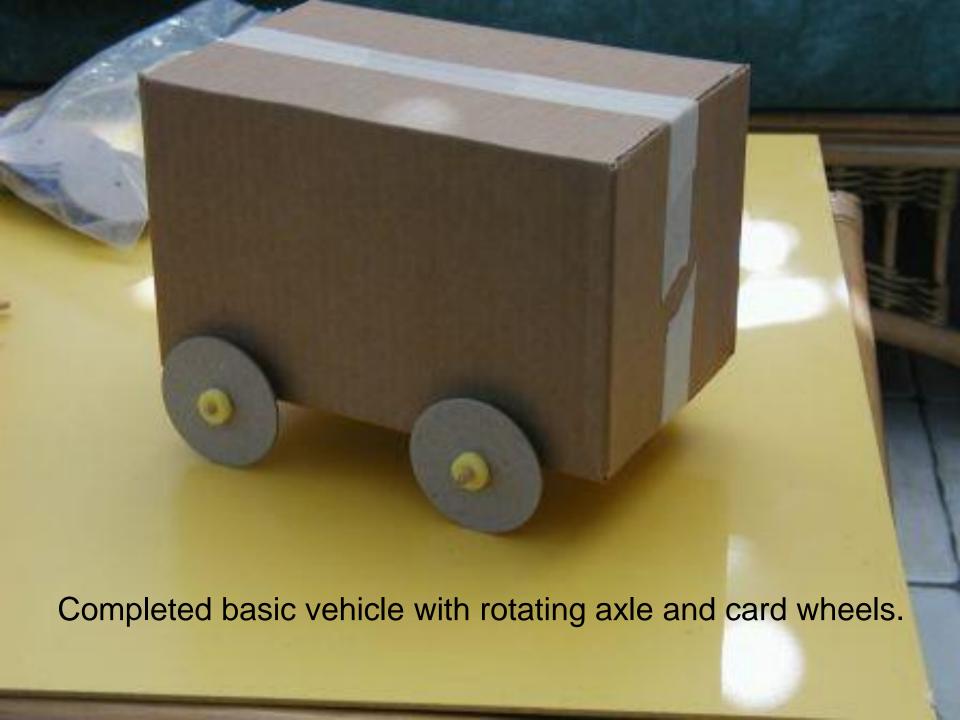


Underside of basic vehicle







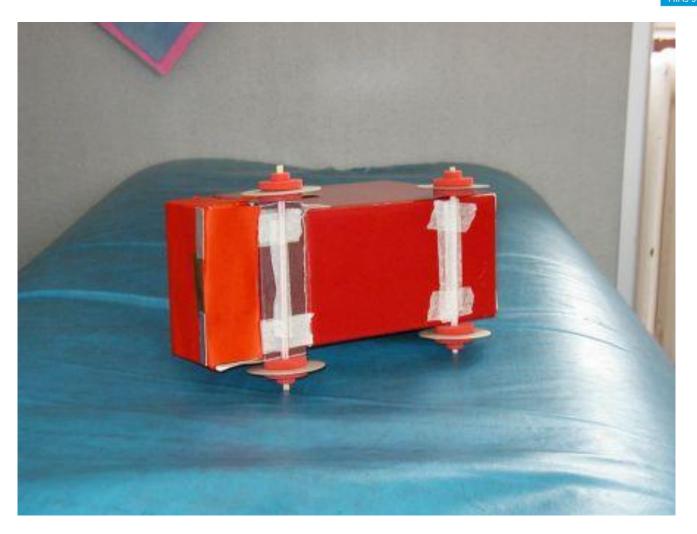






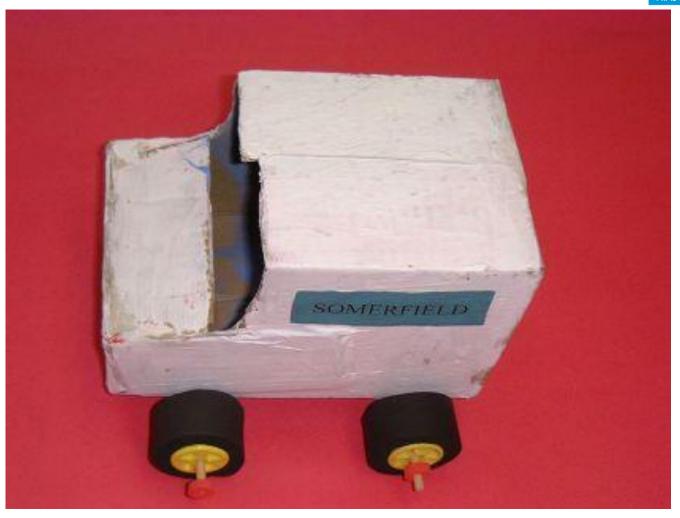






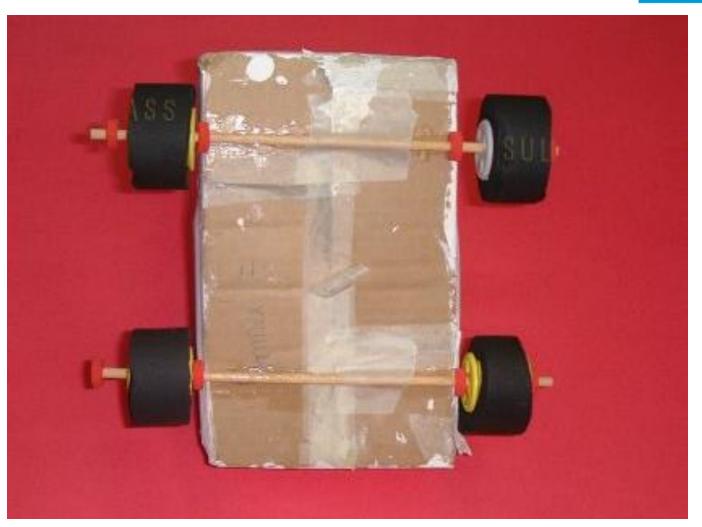


















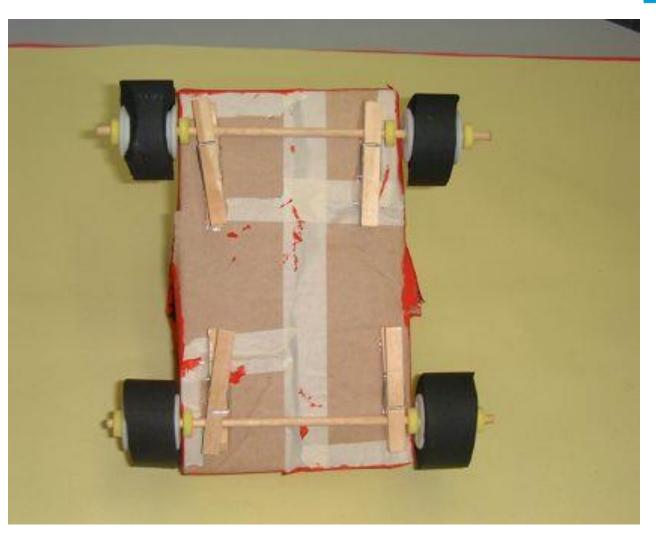








































Key Stage 1 Vehicles

- This presentation has been produced to help teachers to develop their knowledge and understanding and to be used with children during this unit of work.
- Any comments or suggestions for its improvement will be gratefully received.
- Any photographs of children's work produced from this unit would be appreciated in order for them to be added to this presentation. The more examples the better.
- Please contact sarah.pook2@hants.gov.uk





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