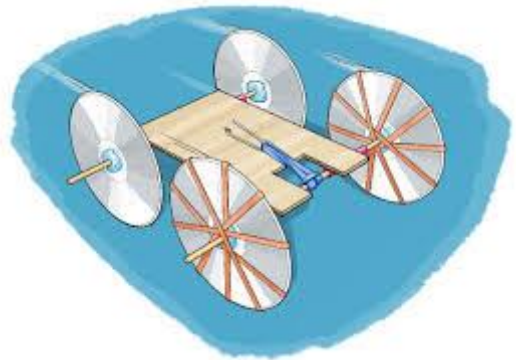


## Design and Technology

### Class 2 – Cycle B

#### Autumn 2: Elastic Band Vehicles

This unit focuses on designing and making vehicles powered by elastic band mechanisms, meeting the Lower Key Stage 2 curriculum through developing design criteria, building prototypes, and evaluating products. Pupils design for a target audience, encouraging them to consider different needs, abilities, and preferences, including accessibility (**disability**) and age-appropriate design. Learning about key individuals such as early vehicle designers introduces representation and historical context. Gender inclusivity is promoted through equal participation in engineering tasks, while teamwork and peer feedback foster respect for diverse viewpoints and experiences.



#### Summer 1: Anglo-Saxon Buildings

In this structures-based unit, pupils design and construct Anglo-Saxon-style buildings, applying knowledge of nets, shaping, and joining materials in line with the Lower Key Stage 2 Design and Technology curriculum. The historical context allows pupils to explore how design is influenced by culture and environment, supporting understanding of diversity (race and cultural heritage). Pupils design for purpose and user, encouraging consideration of different needs, including accessibility (**disability**).



Collaborative building and evaluation activities promote respect for others' ideas, while practical construction tasks are inclusive and challenge gender stereotypes. The unit supports an understanding of how design serves communities, linking to broader equality principles.