

## Teachers' guide

### Technical helper

**Levers** and **wheels & axles** are examples of **simple machines**, which combine together to make the many complex pieces of equipment you will see today at Amberley Museum.

A **lever** is a straight rod or bar that pivots around a fulcrum. It uses a small effort to do a large amount of work.

- Everyday examples of levers include: **seesaws, bottle openers, cricket bat, broom, bicycle brake levers.**

The **wheel and axle** combination has been used for more than 5,000 years to push, pull or rotate heavy loads.

- Everyday examples of wheels and axles include: **door knobs, twist-type kitchen taps, car steering wheels.**

### Where to find the clues

(see map on reverse for grid references)

#### Light switch

- **Electricity Hall (31)** – Far left corner of first room or down central corridor of second.

#### Morse code key

- **TV & Radio (8)** – There are two operational keys and a few others to spot on display.
- **Connected Earth (32)** – There are two operational keys (and a digital Morse code station) in the Telegraph Room, in the first alcove to the right as you enter.

#### Weighing scales

- **Connected Earth (32)** – In the Post Office, immediately to the left as you enter.

#### Engine

- **Stationary Engine Shed (6)** – The engines are often switched on as a demonstration.
- **Municipal Engine House (33)** – No motion, but closer to exhibits at far end of site.

#### Telephone dial

- **Connected Earth (32)** – In the Telephone Room, middle alcove on left as you enter.
- You may also spot telephones with dials at **TV & Radio (8)**, the **Fire Station (39)**, the **Electricity Hall (31)** or **Southdowns Bus Garage (37)**.

#### Cartwheel

- **Wheelwrights (35)**
- You will also see cartwheels on wheelbarrows at **No. 1 & 2 Kilns (1 & 43)**.



Print Shop



TV & Radio Exhibition



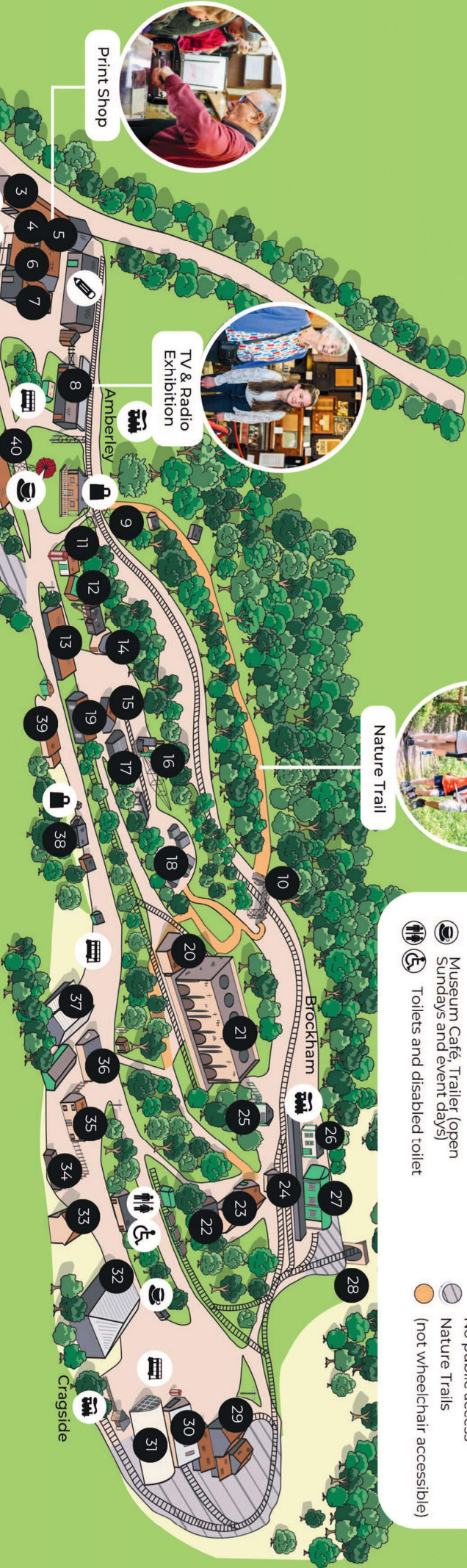
Nature Trail



Paviors Museum of Roadmaking



View from the top



- Museum Office: Information, lost children, first aid. Call 01798 831370 option 4
- Visitor Reception, and Museum Exit
- Gift Shop, Village Green Store and Friends Emporium
- Museum Café, Trailer (open Sundays and event days)
- Toilets and disabled toilet
- Play area
- Education Space
- Railway Stations
- Bus Stops
- No public access
- Nature Trails (not wheelchair accessible)

### Heritage

1. Bagging Shed and No 1 Kilns
2. Hayloft Function Boom
3. Ironmonger's Shop
7. Humphrey's Barn & Cottage Kitchen
9. Nature Trail
14. Arundel Gin Building
20. Life and Lime Exhibition
21. De Witt Kilns
23. Brick Drying Shed
28. Quarry Tunnel (aka Mainstrike Mine)
38. Fairmile Café - Friends' Emporium
43. No 2 Kilns
44. No 1 Kilns Upper Level
46. Bagmender's Shed & Cobblers
47. Locomotive Shed

### Transport

19. Standard Gauge Railway
24. Brockham Shelter
25. Billingshurst Signal Box
26. Hove Ticket Office
27. Betchworth Hall
29. Narrow Gauge Railway Exhibit
30. Railway Exhibition Hall
36. Village Garage and Cycle Shop
37. Southdown Bus Garage
39. Fire Station
41. Storrington Bus Garage
42. Paviors Museum of Roadmaking

### Engineering

4. Machine Shop
5. Print Shop
6. Road Steam and Stationary Engine Shed
8. TV & Radio Exhibition
10. Ranger Bridge
11. Telephone Exchange
14. Worshipful Company of Plumbers
16. Steam Crane and Timber Yard
31. Electricity Hall
32. BT Connected Earth
33. Municipal Engine House
35. Wheelwrights' Shop
40. Dando Wind Pump
45. Dover Cottage Pump House

### Craft

12. Broom Maker
13. Tools and Trades History Society
15. Walking Stick Maker
17. Woodturners' Workshop
18. Greenwood Village
22. Pottery
34. Wheelwrights' Yard
48. Stained Glass Maker
49. Blacksmith

## Museum Bus and Train Service

We run a bus and train service within our Museum from 10.30am until 4pm\* There is no charge for this service, but donations are always welcome to help towards the maintenance of the historic vehicles. \*Subject to operational constraints and volunteer availability.