



dovetail  
GAMES

# Class 52 Western Diesel Locomotive



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# 1 Background

## 1.1 Class 52 Diesel Locomotive

British Rail assigned Class 52 to the class of 74 large Type 4 diesel-hydraulic locomotives built for the Western Region of British Railways between 1961 and 1964 which were constructed at Swindon, and Crewe. All were given two-word names, the first word being "Western" and thus the type became known as Westerns. With the Hymeks and Warships already in service but proving underpowered for top-link services, BR Western Region needed a high-powered locomotive for top-link services. The Western therefore needed two diesel engines to achieve the required power output. In keeping with their policy, a new locomotive with a hydraulic transmission was envisaged. The last member of the class was constructed in 1964. Withdrawals of the class commenced in the early seventies. Several made it in preservation and are owned by different preservation groups.

## 1.2 Design & Specification

<b>Builder</b>	<b>Swindon and Crewe Works</b>
<b>Locomotive Weight</b>	108 T
<b>Vehicle Length</b>	68 ft 0 in (20.73 m)
<b>Vehicle Width</b>	8 ft 8 in (2.64 m)
<b>Fuel Capacity</b>	1,020 US Gal
<b>Vehicle Power</b>	2,000 hp (1,491 kW)
<b>Top Speed</b>	90 mph (140 km/h)
<b>Brake Types</b>	Vacuum
<b>Tractive Effort</b>	66,700 lbf (297 kN)



## 2 Rolling Stock

### 2.1 Class 52



### 2.2 Mk1 Coaches



## 3 Driving the Class 52

### 3.1 Cab Controls



- |   |             |    |                                 |
|---|-------------|----|---------------------------------|
| 1 | Throttle    | 8  | Sander                          |
| 2 | Reverser    | 9  | Engine start stop               |
| 3 | Train Brake | 10 | Brake Pipe                      |
| 4 | Loco Brake  | 11 | Bogie Brake Cylinder Pressure   |
| 5 | Horn        | 12 | Vacuum Brake Pipe/Brake Chamber |
| 6 | AWS         | 13 | Speedometer MPH                 |
| 7 | Wipers      | 14 | RPM                             |



## 4 Scenarios

### 4.1 Training: Class 52 Simple Controls

Learn to drive the 52 using simple controls.

### 4.2 Training: Class 52 Expert Controls

Learn to drive the 52 using expert controls.

### 4.3 Chocolate and Cream

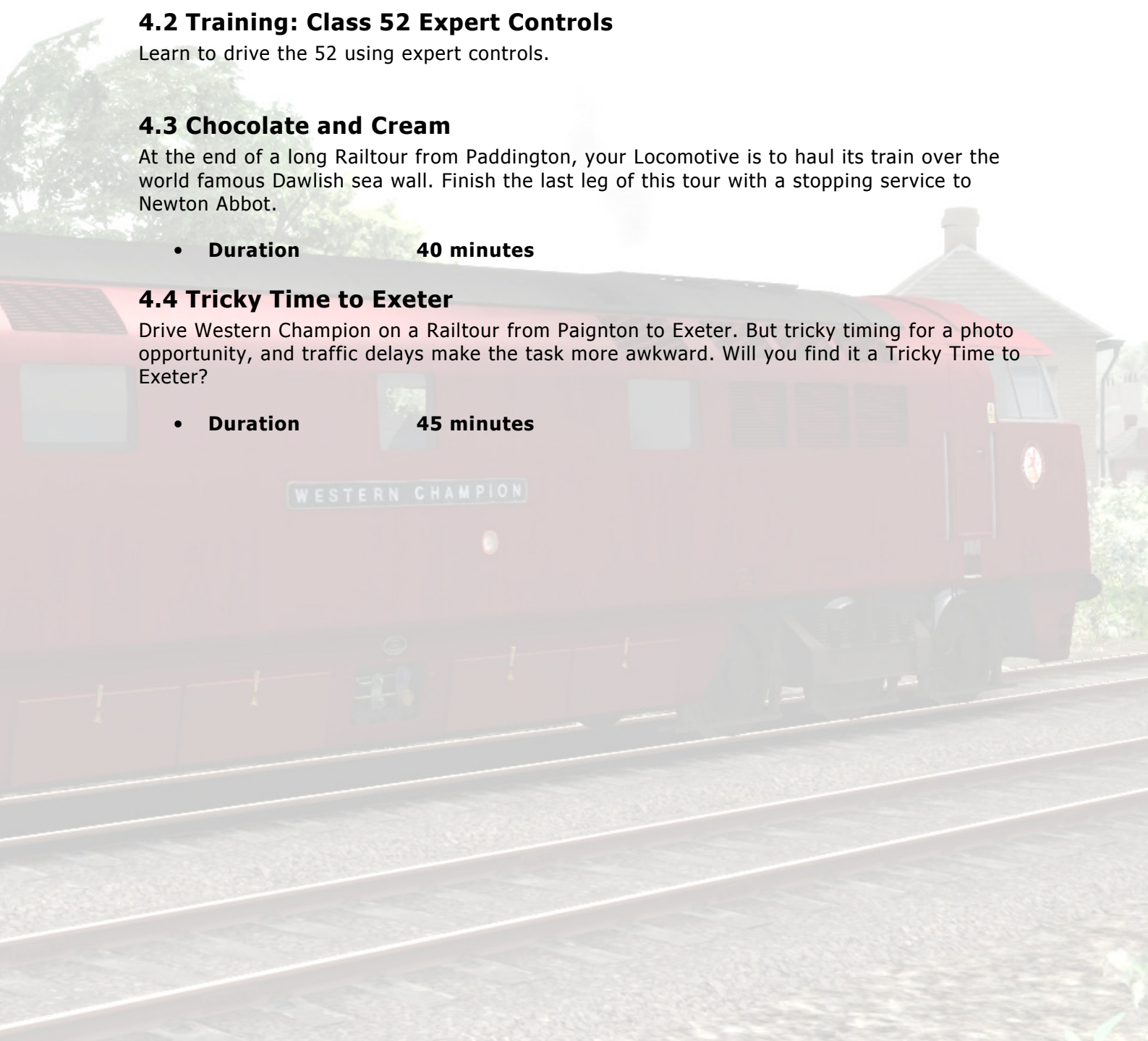
At the end of a long Railtour from Paddington, your Locomotive is to haul its train over the world famous Dawlish sea wall. Finish the last leg of this tour with a stopping service to Newton Abbot.

- **Duration**                      **40 minutes**

### 4.4 Tricky Time to Exeter

Drive Western Champion on a Railtour from Paignton to Exeter. But tricky timing for a photo opportunity, and traffic delays make the task more awkward. Will you find it a Tricky Time to Exeter?

- **Duration**                      **45 minutes**



## 5 Acknowledgements

Dovetail Games would like to thank the following people for their contribution to the development of the Class 52

Beta Testing Team

