

TRAFNIDIAETH CYMRU
TRANSPORT FOR WALES

Train Trumps

and more activities

Class 230



Number of carriages	3
Number in fleet	5
Top speed	60 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	426

In their former lives, the 230s were London Underground D Stock trains, serving the Metropolitan, District and Circle Lines until 2017. They've since been completely rebuilt, adding a diesel-hybrid engine and improving their interior. They'll be introduced on the Wrexham-Bidston Line in 2020.

Class 398



Number of carriages	3
Number in fleet	36
Top speed	60 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	256

Stadler's CityLink tram-train forms the basis for the South Wales Metro Vehicles, which will enter service in 2022 on services to Merthyr Tydfil, Aberdare and Treherbert. These innovative vehicles, powered by overhead electric or batteries, are capable of running on traditional rail lines and light rail tramways.

Class 769



Number of carriages	4
Number in fleet	9
Top speed	75 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	558

The Class 769s were originally built in the late 1980s as Class 319 electric trains for use on Thameslink services in south-east England. As part of a pioneering scheme, members of the class were chosen for fitting with diesel engines to convert them to bi-mode trains.

Class 231



Number of carriages	4
Number in fleet	11
Top speed	100 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	425

Designed by manufacturer Stadler, the FLIRTs (Fast Light Intercity and Regional Trains) will be introduced on South Wales Metro services, providing major improvements in capacity and the customer experience. They'll operate on Ebbw Vale, Maesteg and Cheltenham lines from 2022.

Class 756



Number of carriages	4
Number in fleet	24
Top speed	75 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	425

Designed by manufacturer Stadler, the 756 will be introduced on South Wales Metro services, providing major improvements in the customer experience from 2023. The Class 756s will be powered by overhead electric and batteries to Rhymney and Coryton, and by a diesel engine on the Vale of Glamorgan Line.

Class 197



Number of carriages	3
Number in fleet	77
Top speed	100 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	316

The brand new Class 197s, built in Newport, are a similar design to new trains being introduced by Northern and West Midlands Trains. They are due to enter service in 2022 on long-distance services throughout the Wales and Borders network, serving destinations as varied as Blaenau Ffestiniog, Fishguard and Liverpool.

MK 4 carriage



Number of carriages	4
Number in fleet	3
Top speed	125 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	388

The Mark 4 carriages were developed as part of the InterCity 225 project in the 1980s, to build state-of-the-art trains for the electrified East Coast Main Line. TfW have now acquired three refurbished sets of carriages for use on the Cardiff-Holyhead route, replacing older Mark 3 carriages from 2020.

Class 170



Number of carriages	3
Number in fleet	12
Top speed	100 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	449

With their large windows and spacious saloons, the Class 170s were designed for long-distance journeys, and have seen service throughout Britain, from South West England to the Highlands of Scotland. They arrived with TfW in 2019, for use on services to Maesteg, Ebbw Vale and Cheltenham.



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Class 158



Number of carriages	2
Number in fleet	24
Top speed	90 mph
Emissions	⊕⊕⊕⊕
Capacity	199

The Class 158 was developed from the Mark 4 carriage design to be a modern diesel train for long-distance services. They entered service in 1990 throughout the country, and have become one of the most popular trains on the British network, where they operate with modern in-cab signalling.

Class 153



Number of carriages	1
Number in fleet	22
Top speed	75 mph
Emissions	⊕⊕⊕⊕
Capacity	116

The Class 153s were originally built as two-car Class 155 trains, but were divided into single-car trains in order to provide more modern, efficient trains for rural branch lines with very few passengers. They can also be used to provide an extra carriage with Sprinter and Pacer trains.

Class 150



Number of carriages	2
Number in fleet	36
Top speed	75 mph
Emissions	⊕⊕⊕⊕
Capacity	293

The Sprinter trains were introduced in the 1980s as a new standard type of diesel train, replacing older units and loco-hauled trains. After over 30 years, they are still going strong throughout the Wales and the borders, but will be replaced by brand new trains over the next few years.

Class 143



Number of carriages	2
Number in fleet	15
Top speed	75 mph
Emissions	⊕⊕⊕⊕
Capacity	216

The Pacer trains were introduced in the 1980s onto many branch lines as a cheap temporary replacement for older diesel trains. They can be found on Valley Lines services. After many years of hard work around the country, they are now being withdrawn from service during 2020.

Class 142



Number of carriages	2
Number in fleet	15
Top speed	75 mph
Emissions	⊕⊕⊕⊕
Capacity	215

The Pacer trains were introduced in the 1980s onto many branch lines as a cheap temporary replacement for older diesel trains. They can be found on Valley Lines services. After many years of hard work around the country, they are now being withdrawn from service during 2020.

MK 3 carriage



Number of carriages	4
Number in fleet	3
Top speed	125 mph
Emissions	⊕⊕⊕⊕
Capacity	376

The Mark 3 carriages were developed as part of the InterCity 125 High Speed Train project in the 1970s. The loco-hauled Mark 3s have been used on "Gerald" Premier Service since 2008, providing a first-class service on the Cardiff-Holyhead route.

Class 37



Number of carriages	4
Number in fleet	2
Top speed	90 mph
Emissions	⊕⊕⊕⊕
Capacity	360

The Class 37 locomotives were introduced in the 1960s to haul passenger and freight trains. They have worked throughout Britain and are still going strong after nearly 60 years in service. In the summer of 2019, TFW temporarily reintroduced them to service to provide extra capacity.

Class 175



Number of carriages	3
Number in fleet	27
Top speed	100 mph
Emissions	⊕⊕⊕⊕
Capacity	299

After being introduced in 1999, the Class 175s have become a regular sight on long-distance services throughout the Wales and Borders network. They are based in Chester, but you can find them in places as far afield as Manchester Piccadilly, Holyhead, and Milford Haven.



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Cycle



Number of carriages	1
Number in fleet	55
Top speed	30 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	1

The benefits of cycling are almost as endless as the country lanes you could be exploring. We're working with local authorities and other key stakeholders to help deliver an integrated transport network across Wales

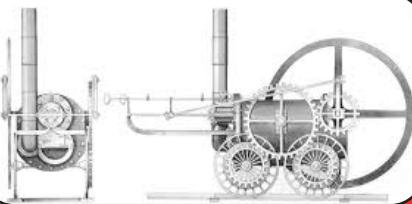
Walk



Number of carriages	1
Number in fleet	3.1 million
Top speed	5 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	1

Walking is simple, free and one of the easiest ways to get more active, be healthier and benefit your wellbeing

Trevithick engine



Number of carriages	5
Number in fleet	1
Top speed	5 mph
Emissions	⊕ ⊕ ⊕ ⊕ ⊕
Capacity	70

Trevithick produced the world's first steam engine to run successfully on rails. The locomotive, with its single vertical cylinder, 8 foot flywheel and long piston-rod, managed to haul ten tons of iron, seventy passengers and five wagons from the ironworks at Penydarren to the Merthyr-Cardiff Canal.

Print out and cut along the the lines.



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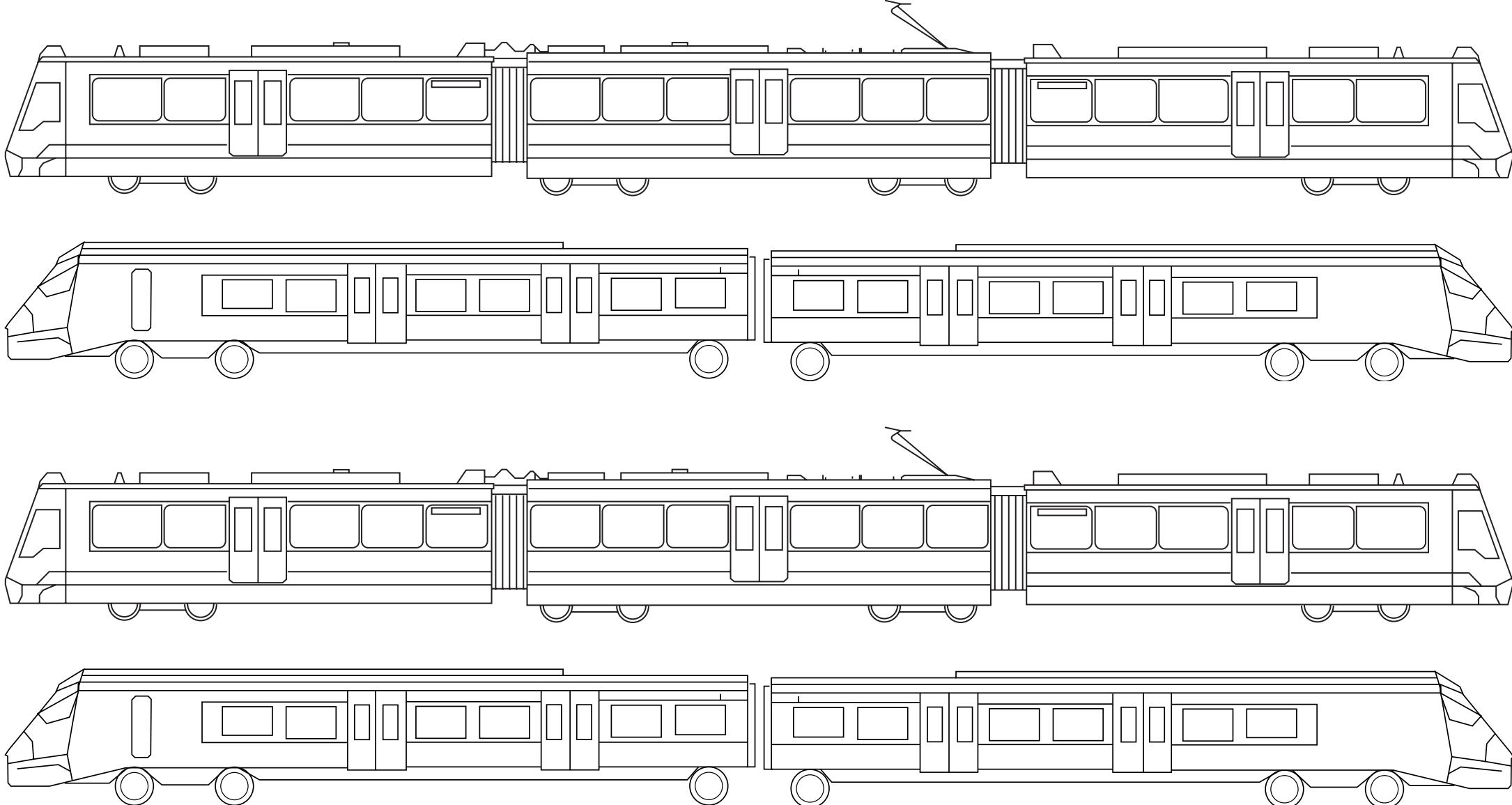
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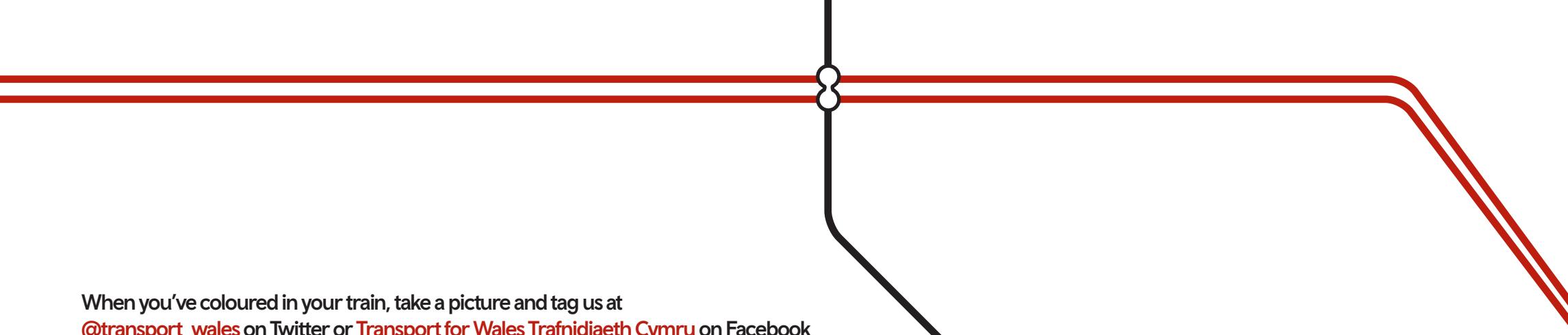


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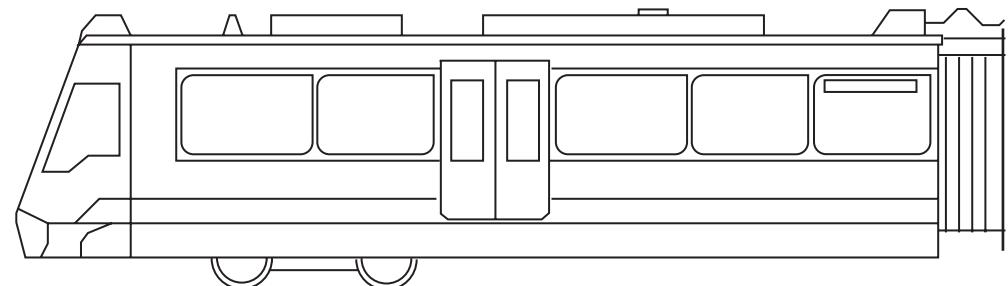
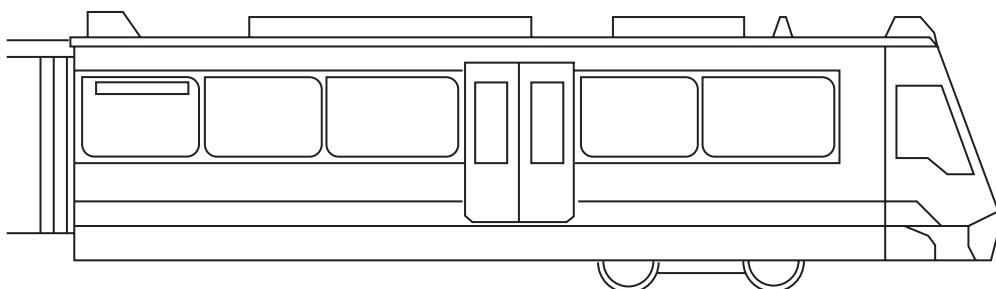
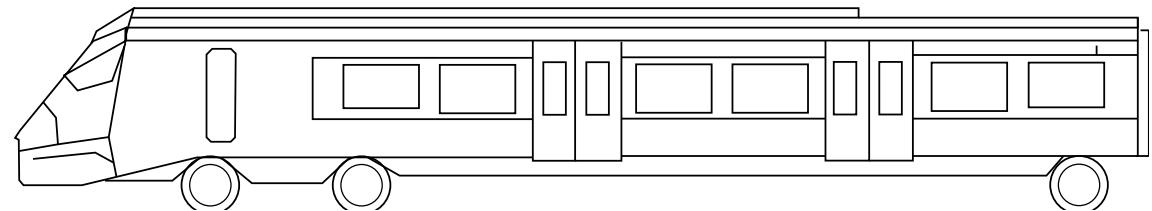
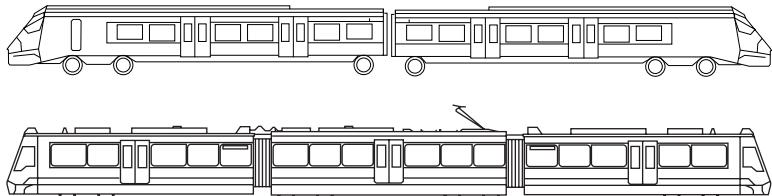
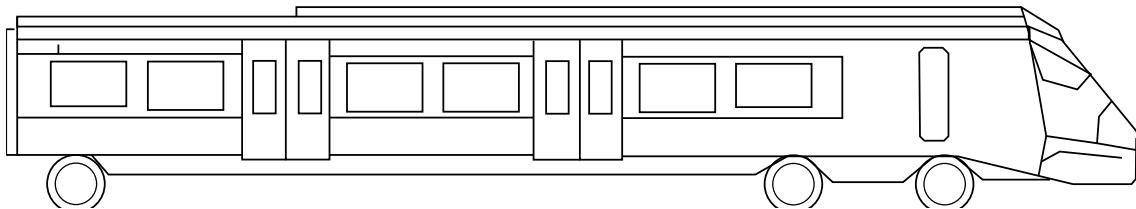


Design a train

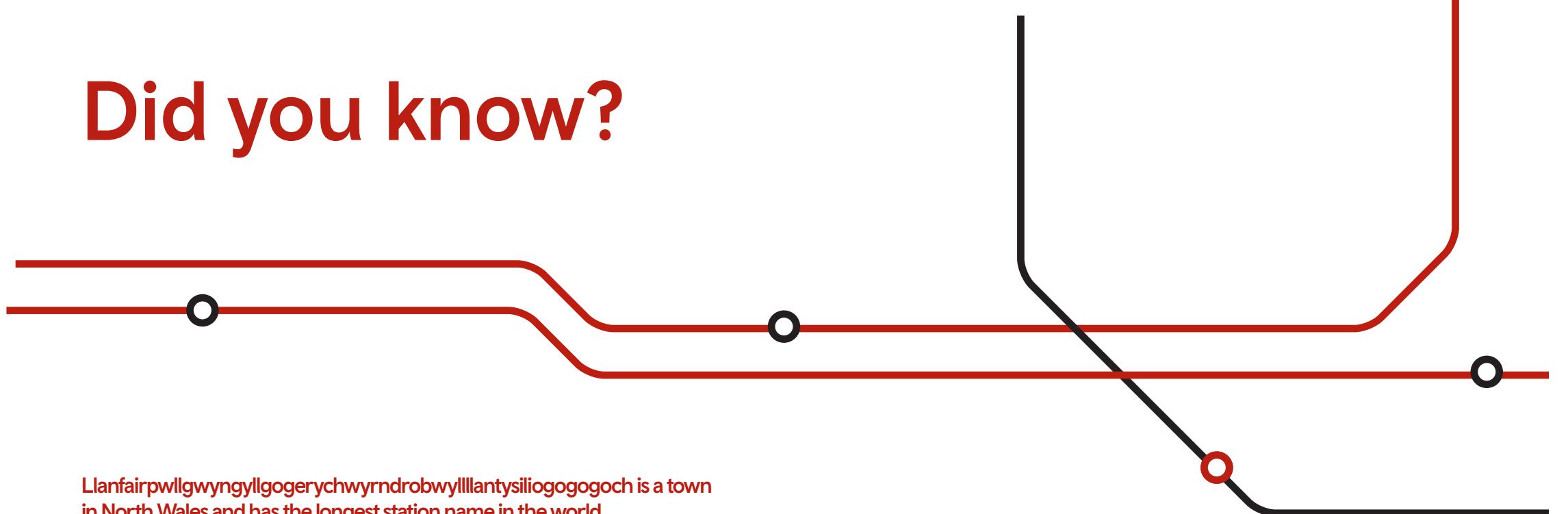




When you've coloured in your train, take a picture and tag us at
[@transport_wales](https://twitter.com/transport_wales) on Twitter or [Transport for Wales Trafnidiaeth Cymru](https://www.facebook.com/TransportforWalesTrafnidiaethCymru) on Facebook



Did you know?



Llanfairpwllgwyngyllgogerychwyrndrobwylantysiliogogogoch is a town in North Wales and has the longest station name in the world.

It means St Mary's Church in the hollow of the white hazel near a rapid whirlpool and the Church of St Tysilio of the red cave.

Saint David (known as Dewi Sant in Wales) was a Welsh Bishop during the 6th century. He was later made a saint and became the Patron Saint of Wales. On St. David's Day, 1 March, people in Wales celebrate the life St David. You can visit Saint David's place of birth, St David's | Tyddewi; it's the smallest city in the United Kingdom.

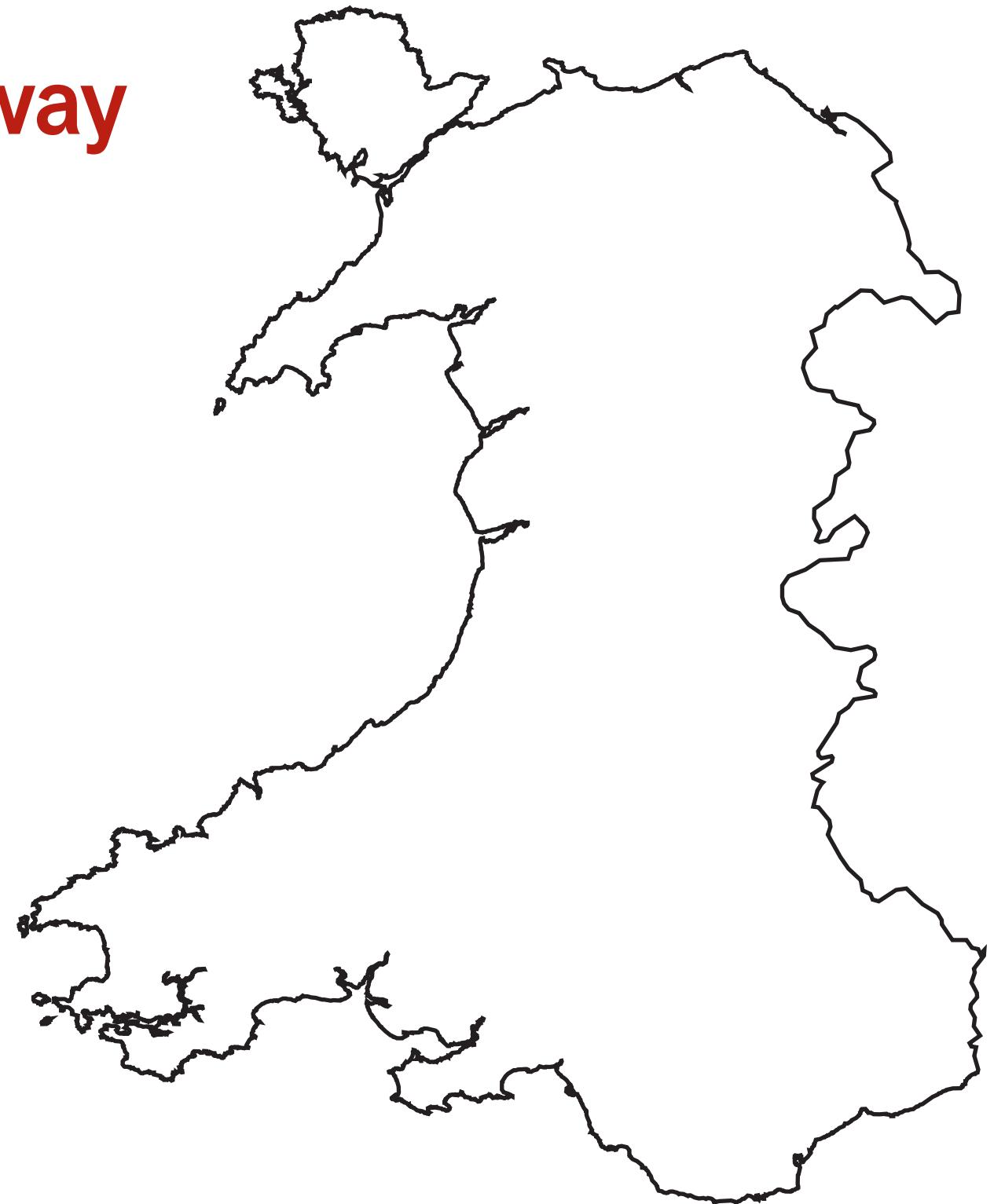
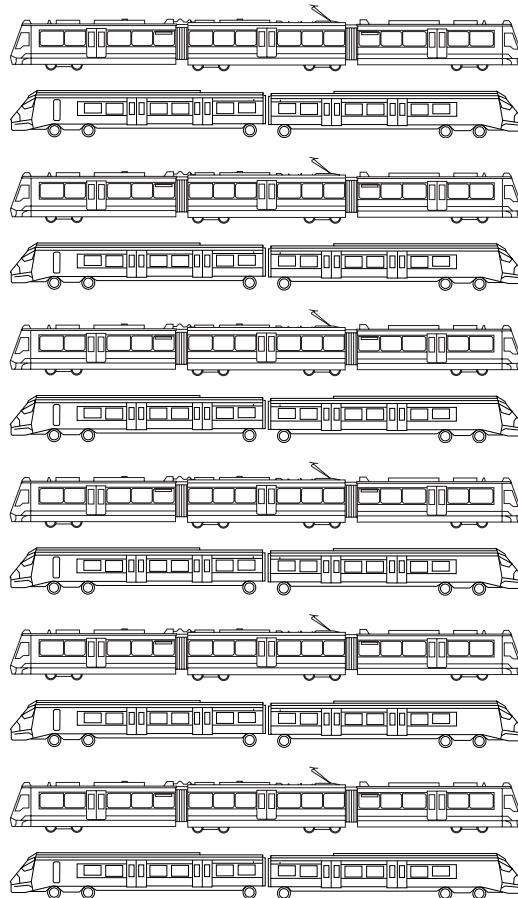
Pontypridd was once home to the longest train platform in the world.

The Welsh flag has a green and white background with a red dragon. Along with Bhutan and Malta, it is only one of three countries that has a dragon on their national flag.



Draw your railway

Draw your perfect train network and see where you can go.



Quiz

Round 1: What is my role?

There are lots of different jobs on the railway. Here are five people who work for us. Can you work out what their role is?

1. You'll find me in the cab. It's my job to operate the throttle and the brake. I keep an eye on signals and stations to make sure the train stops at the right time.
2. I also work on the train. I open and close the doors at stations, and make sure everyone gets on and off safely. I also check people's tickets and give them information if they need to catch another train.
3. I am in charge of the stations. I look after all the staff and make sure that the buildings are kept in tip top shape. If anything needs repairing, I have to report it so that it can be fixed.
4. I work at the depot, and often at night. It's my job to make sure any problems with the trains are repaired, and that they are full of fuel ready for the next day.
5. You'll see me at the big stations. I work on the platforms as the trains arrive and leave. It's my job to tell the driver it is safe for the train to depart.

Round 2: Stations

In which of part of Wales and the borders will you find the following TfW stations? [Use our map to find out](#) <https://tfwrail.wales/our-network/map>

1. Caersws
2. Llandudno Junction
3. Ty Glas
4. Valley
5. Lydney
6. Haverfordwest
7. Bidston
8. Cadoxton
9. Roman Bridge
10. Porth

Round 3: Places

Can you name the nearest TfW station to these famous landmarks in Wales?

1. Principality Stadium
2. Caernarfon Castle
3. The Great Orme
4. The Transporter Bridge
5. St David's Cathedral
6. Bodnant Garden
7. The Prince of Wales Bridge
8. Pen y Fan
9. The Senedd
10. Pendine Sands

Answers

Round 1: What is my role?

1. Driver
2. Conductor (or guard)
3. Station manager
4. Engineer
5. Dispatcher

Round 2: Stations

1. Caersws – South West and Mid
2. Llandudno Junction - North
3. Ty Glas – South East
4. Valley - North
5. Lydney - Borders
6. Haverfordwest – South West and Mid
7. Bidston - Borders
8. Cadoxton – South East
9. Roman Bridge - North
10. Porth – South East

Round 3: Places

1. Cardiff Central
2. Bangor
3. Llandudno
4. Newport
5. Fishguard and Goodwick
6. Tal-y-Cafn
7. Caldicot
8. Merthyr Tydfil
9. Cardiff Bay
10. Kilgetty

