



Stage 2 Activity Worksheet

NSW RAIL MUSEUM EDUCATION



Hi, I'm Robin the Railmotor. Welcome!

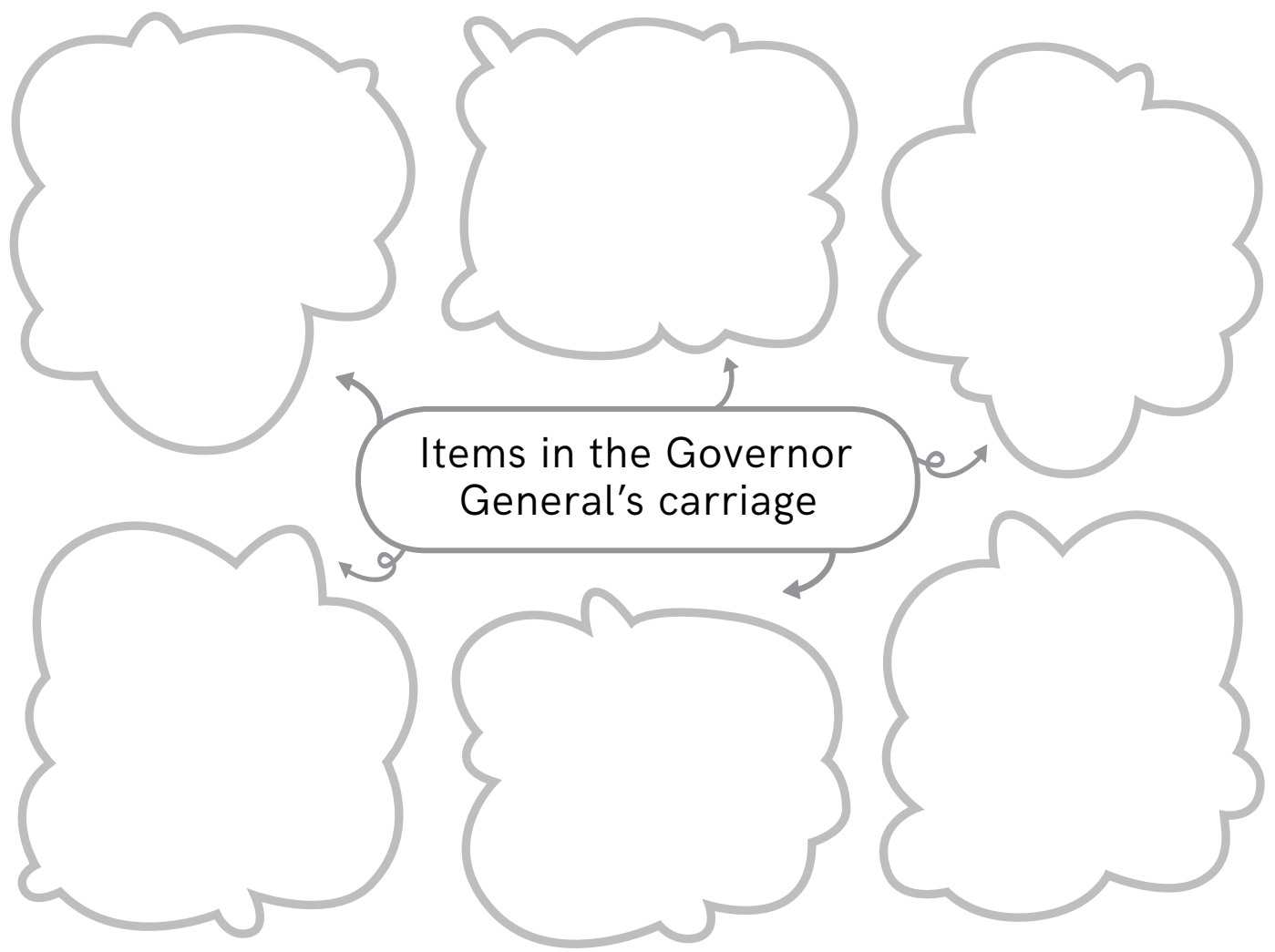
Name.....

Class.....

ACTIVITY 1 GOVERNOR GENERAL'S CARRIAGE



Look through the windows of the Governor General's carriage. Create a mind map of some items that tell you that this carriage was for an important person.



ACTIVITY 2 INDICATOR BOARDS

Answer the questions below.

QUESTION 1.

Altogether, how many stations will the train stop at?

.....

QUESTION 2.

What **time** will the train leave?

.....

QUESTION 3.

What is the name of the railway station on the indicator board that is 4 stations **after** Gymea?

.....

ACTIVITY 3 STEAM CRANE LOCOMOTIVE

List some heavy objects (over 1kg) that the steam locomotive would be able to lift.

1.

.....

2.

.....

2

3.

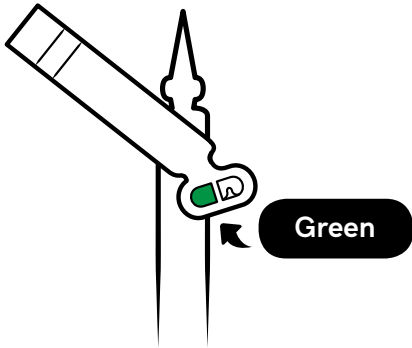
.....

4.

.....

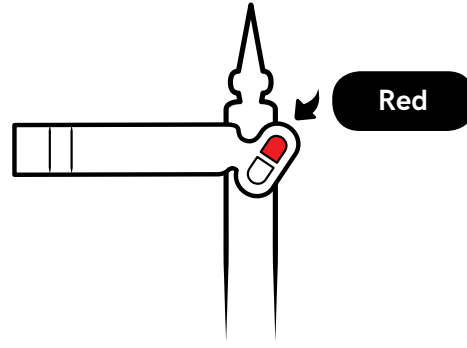
ACTIVITY 4 INTERACTIVE SIGNAL

Fill in the answers to complete the statements below.



When the signal looks like this, the train can:

.....



When the signal looks like this, the train must:

.....

ACTIVITY 5 E18 LOCOMOTIVE

Using the circles below, write some adjectives to describe your thoughts about the E18 steam locomotive.

What does it sound like?

What does it look like?

What does it feel like?

ACTIVITY 5 CONTINUED...

Examine the side of the E18 Steam Locomotive and complete the labels for the diagram using the words below.

boiler

cab

funnel

driving wheels

engine number

firebox

footplate

regulator

1.

2.

3.

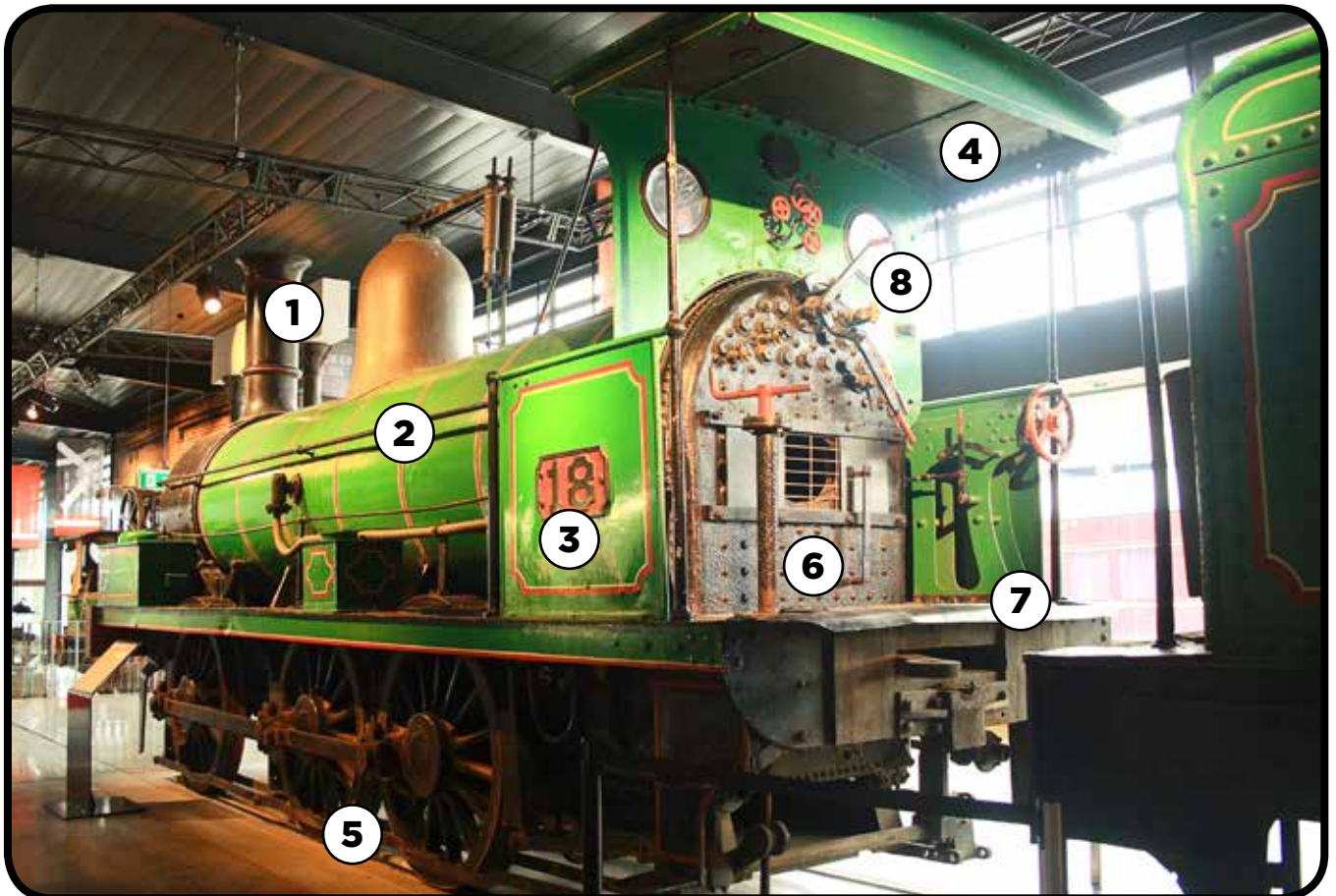
4.

5.

6.

7.

8.



Optional Extension Question

Did You Know?

The wheels on a locomotive are used to help identify them.

Leading and trailing wheels are usually smaller and the driving wheels are joined together by connecting rods.

You can count the wheels by starting at the front of the engine.

> How many small **leading** wheels does it have?

> How many large **driving** wheels does it have?

> How many small **trailing** wheels does it have?

Using the information above and the wheel arrangement chart, work with a friend to find the wheel arrangement for the E18 steam locomotive.

..... leading wheels

..... driving wheels

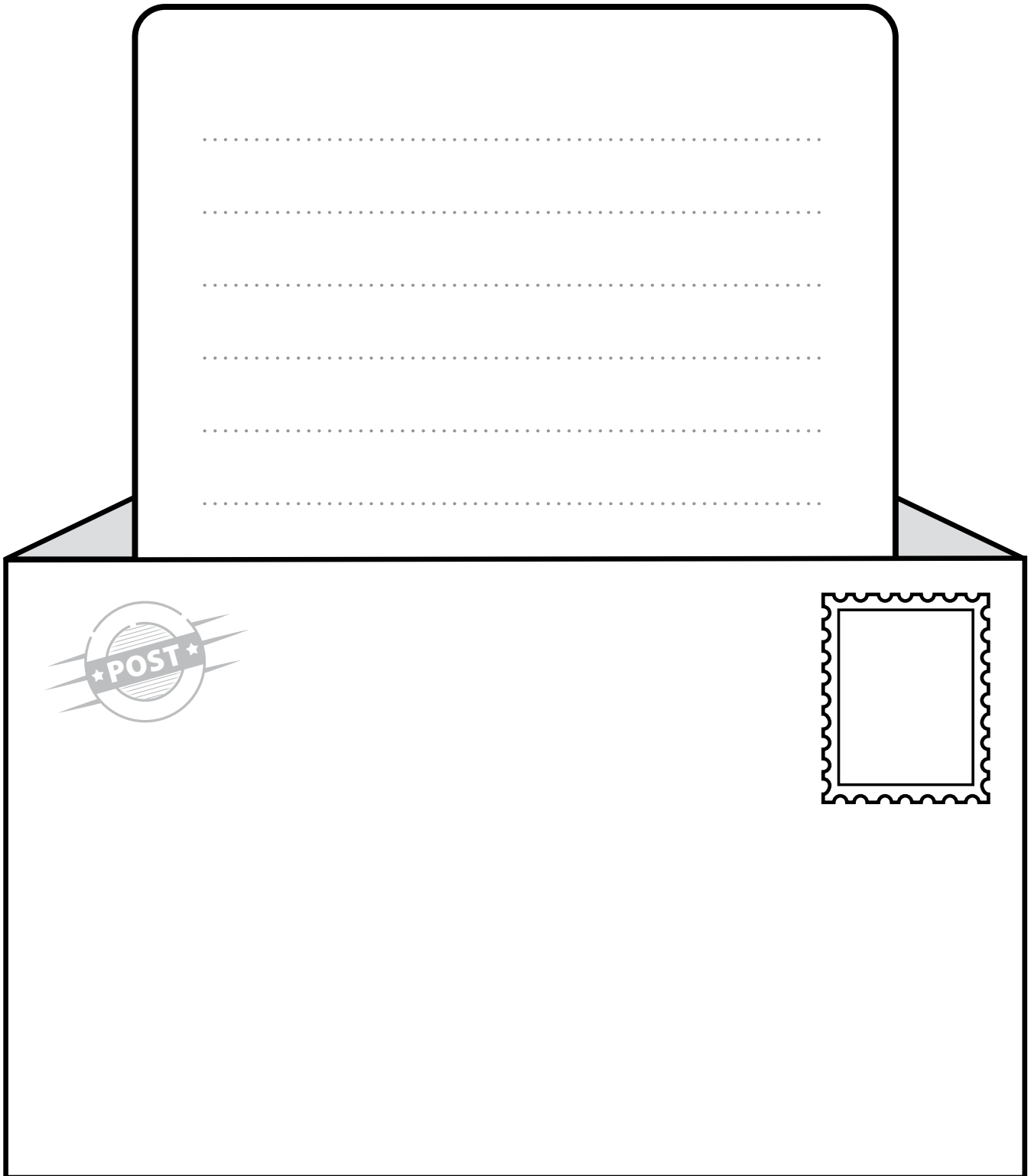
..... trailing wheels

E18 - -

<u>WHEEL ARRANGEMENT.</u>	<u>NAME.</u>
○ ○ ○	2 - 2 - 2
○ ○ ○ ○	4 - 2 - 2
○ ○ ○ ○	0 - 4 - 0
○ ○ ○ ○	2 - 4 - 0
○ ○ ○ ○ ○	0 - 4 - 2
○ ○ ○ ○ ○	2 - 4 - 2
○ ○ ○ ○ ○	4 - 4 - 0
○ ○ ○ ○ ○ ○	0 - 4 - 4
○ ○ ○ ○ ○ ○	4 - 4 - 2
○ ○ ○ ○ ○ ○	2 - 4 - 4
○ ○ ○ ○ ○ ○	0 - 6 - 0
○ ○ ○ ○ ○ ○	2 - 6 - 0
○ ○ ○ ○ ○ ○	0 - 6 - 2
○ ○ ○ ○ ○ ○	2 - 6 - 2

ACTIVITY 6 MAIL VAN

Design your own envelope and stamp for a letter to be delivered by the mail van to a friend.



ACTIVITY 8 SILVER CITY COMET

As a class, brainstorm the main differences between E18 and the *Silver City Comet*.



Name of train:.....

Powered by:



Name of train:

Powered by:

ACTIVITY 9 PAY BUS

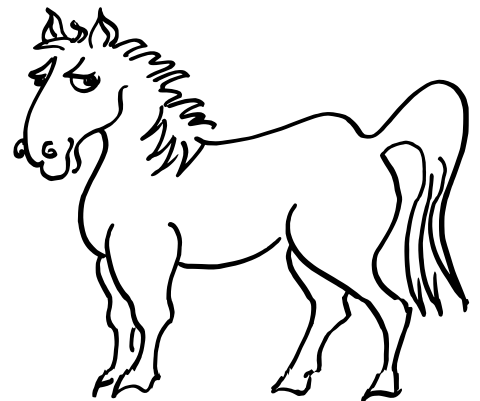
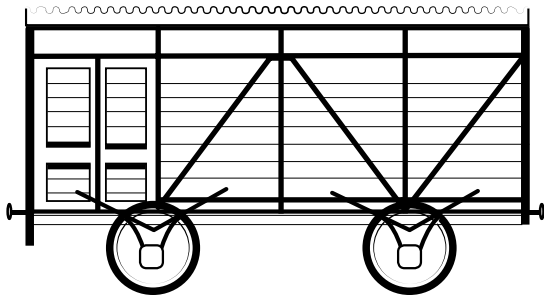
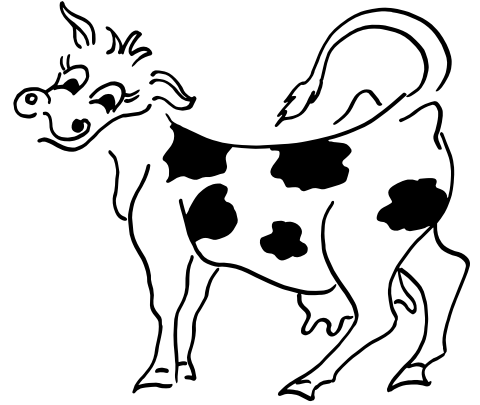
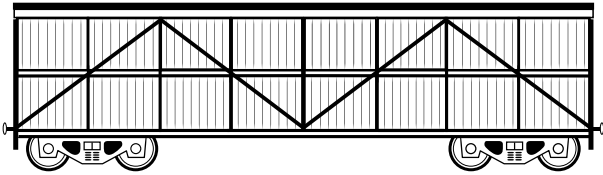
Look carefully at the Pay Bus and draw some of the 2D shapes and lines that you can see on the bus.

2D Shapes	Types of lines

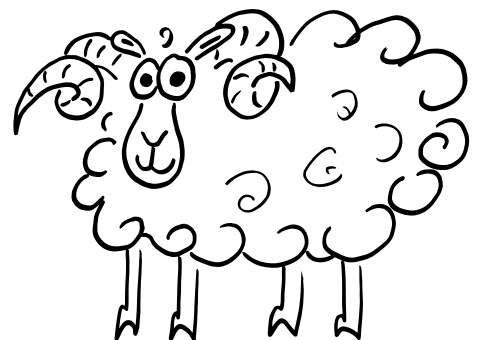
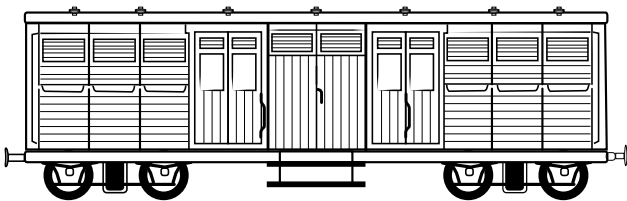
ACTIVITY 10 ANIMAL TRANSPORT

Draw arrows to match the pictures of the animals to their correct wagons.

Which animal travels here?



10



Draw a picture of your favourite object at NSW Rail Museum and explain why it is your favourite. Circle the correct power source for your object.

My favourite object is the:

.....

because

.....

.....

This object is powered by:

steam

electricity

diesel

ACTIVITY 12

FAST FINISHERS

Can you finish the find-a-word puzzle?



animals

diesel

footplate

steam

boiler

driver

locomotive

tracks

cab

electricity

passengers

transport

carriages

engine

railway

wagons

crane

fireman

signals

wheels