

# STEAM MACHINES



## PROGRAM DESCRIPTION

Join our education officers on Puffing Billy and connect with nature, on an adventure through the magnificent forests of the Dandenong Ranges. Develop an understanding of natural areas and the importance of protecting places of special significance. Disembark at Lakeside Station to explore the Visitor Centre, enjoy the mechanical and nature playscape areas and the railway theatre. Discover the role of people in design and technologies occupations. Visit the Menzies Creek Museum and learn about systems, materials, components and tools for a range of purposes. Investigate design solutions to meet past and future community needs.

## KEY THEMES

- Importance of natural areas
- Establishment of local community
- Protection of places of special significance
- Recognise the role of people in design and technologies occupations
- Suitability of materials, systems, components, tools and equipment for a range of purposes
- Design solutions to meet community needs

## YEAR LEVELS

Year 3 – Year 4

## CURRICULUM AREAS AND LEVELS

Level 3 – Level 4

- The Humanities - History, Geography
- Technologies – Design and Technologies

## PROGRAM OPTIONS

### OPTION 1

Meet the Education Officer at Belgrave Station at 10:30am for a 11am Puffing Billy departure (approx. 50minute journey). Disembark at Lakeside Station at approximately 12pm. Enjoy lunch, the Lakeside Visitor Centre, an Educator led workshop and the natural surrounds. Depart on school bus from Lakeside, approx. 2pm.

### OPTION 2

Meet the Education Officer at Belgrave Station at 10:30am for an 11am Puffing Billy departure (approx. 50minute journey). Disembark at Lakeside Station at 12pm. Enjoy lunch, the Lakeside Visitor Centre, an Educator led workshop and the natural surrounds. Depart on school bus from Lakeside to the Menzies Creek Museum at 1:15pm. Enjoy the Museum. Depart on school bus from Menzies Creek Museum at approx. 2:30pm.

Other options can be scheduled according to Puffing Billy Railway timetable.

### DURATION:

Half Day (approx. 10am - 2pm)

### COST:

Midweek only -

\$25 per student

Midweek only -  
\$37 per adult

We offer 1 staff Free of Charge (FOC) for every 10 students travelling.



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## FOOD, BEVERAGES AND SOUVENIRS

A range of food and beverage options are available for purchase from our stations and the Lakeside Visitor Centre café, including pies, sandwiches, hot and cold drinks as well as ice creams and sweets. Pre-purchased kids' lunch packs are also available.

Additionally, a range of Puffing Billy merchandise is for sale, including the very popular Puffing Billy flags!



## TOILETS

Toilets are located at Belgrave, Menzies Creek, Emerald, Lakeside and Gembrook stations and the Lakeside Visitor Centre. Please note, there are no toilets available on board the train itself, so we encourage students to use the facilities before boarding.

Toilets with wheelchair access are located at Belgrave, Lakeside and Gembrook stations.



## ACCESSIBILITY

Puffing Billy Railway is committed to offering an enjoyable experience for everyone and has a range of accessible facilities available for our passengers.

Our station platforms are not at the same height as our carriage doors; however, ramps are available to provide easy wheelchair access on many of our Excursion Trains. The wheelchair ramp width is 75cm.

Pathways to Belgrave, Lakeside and Gembrook stations are all wheelchair accessible.

To assist passengers with reduced mobility and to avoid our steep pathway entrance to Belgrave Station, passengers may be dropped off at Gate 4 which is in front of our Belgrave Station building on Old Monbulk Road. The area from the station to the platform is on one level.

## CURRICULUM, STAFF AND RATIOS

Our education programs are linked to the Victorian Early Years Learning Development Framework (VEYLDF) and the Victorian Curriculum. Programs are presented by passionate Education Officers, who hold level 2 first aid qualifications and Working with Children Checks or are registered teachers. Puffing Billy Railway Education programs align with the Department of Education and Training excursion ratios.





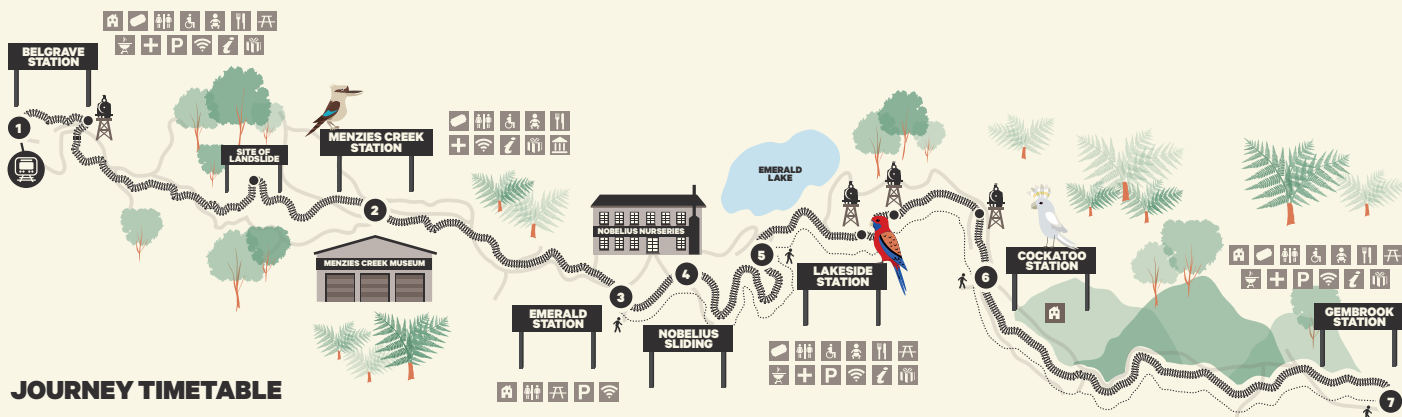
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## CURRICULUM LINKS

### THE VICTORIAN CURRICULUM – LEVEL 3 – LEVEL 4

STRAND	SUB-STRAND	CONTENT DESCRIPTION
<b>Historical Concepts and Skills</b>	Historical sources as evidence	Identify the origin and content features of primary sources when describing the significance of people, places and events (VCHHC067)
<b>Historical Concepts and Skills</b>	Historical sources as evidence	Describe perspectives of people from the past (VCHHC068)
<b>Historical Concepts and Skills</b>	Continuity and Change	Identify and describe continuity and change over time in the local community, region or state and as a result of the effects of European exploration (VCHHC069)
<b>Geographical Knowledge</b>	Diversity and significance of places and environments	Types of natural vegetation and the significance of vegetation to the environment, the importance of environments to animals and people, and different views on how they can be protected; the use and management of natural resources and waste, and different views on how to do this sustainably (VCGGK082)
<b>Geographical Knowledge</b>	Diversity and significance of places and environments	Similarities and differences in individuals' and groups' feelings and perceptions about places, and how they influence views about the protection of these places (VCGGK083)
<b>Technology Contexts</b>	Engineering principles and systems	Investigate how forces and the properties of materials affect the behaviour of a designed solution (VCDSTC024)
<b>Technology Contexts</b>	Technologies and Society	Recognise the role of people in design and technologies occupations and explore factors, including sustainability, that impact on the design of solutions to meet community needs (VCDSTS023)
<b>Technology Contexts</b>	Materials and technologies specialisations	Investigate the suitability of materials, systems, components, tools and equipment for a range of purposes (VCDSTC027)

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## JOURNEY TIMETABLE

JOURNEY (refer to map above)	SINGLE JOURNEY (subject to timetable)	RETURN JOURNEY (subject to timetable)
1 ↔ 2	30 minutes	Allow 3 hours
1 ↔ 3	50 minutes	Allow 3 hours
1 ↔ 5	60 minutes	Allow 3 hours
5 ↔ 7	40 minutes	Allow 3 hours
1 ↔ 7	1 hour 50 minutes	Allow 5 hours

## MAP LEGEND

- Belgrave Metro Station
- Town
- Booking Office
- BBQ facilities
- First aid
- Parking
- Toilet
- Accessible toilet
- Parenting room
- Wi-fi
- Information
- Souvenir Shop
- Parenting room
- Food & drink
- Picnic area
- NEW! Menzies Creek Museum
- Multi-purpose Eastern Dandenong Ranges Trail
- Trestle Bridge

