

INNOVATION STATION

Join our education officers on Puffing Billy to examine and explore the past and present design and technology innovations and solutions. Students visit the Menzies Creek Museum and Workshop learning about the materials, characteristics and properties of technologies. They consider advantages and disadvantages of design ideas and technologies including safety and risk. Students disembark at Lakeside Station to explore the Visitor Centre and consider design options with society, ethics, economic and social sustainability factors in mind.

STUDENTS WILL LEARN ABOUT:

- Design processes and technology solutions
- Investigate design and technology professions
- Advantages and disadvantages of design ideas and technologies
- The future of biodiversity

YEAR LEVELS: Year 7 – Year 8

LOCATION: Meet the Education Officer at Belgrave Station. Journey on Puffing Billy from Belgrave Station to Lakeside Station.

DURATION: 10am – 2pm

Puffing Billy Railways offers all weather education programs. The students will need appropriate clothing for all conditions (Rain, Hail or Shine). This includes a raincoat, closed-toes shoes, hat and sun protection.



OUR VISION

To preserve and share a world renowned, community-based heritage rail experience, which captures both the natural beauty and rich social history of Victoria's Dandenong Ranges.

OUR MISSION

We provide a unique opportunity for visitors to immerse themselves in our rich local history, environment, and communities; foster and harness the passion our volunteers and staff have for heritage rail and community interaction.



PUFFING BILLY RAILWAY is a self-funded, not for profit organisation dedicated to preserving and sharing its stories, community and environment.

Education Officers deliver programs that incorporate multiple learning activities with a focus on an exploration of history through storytelling, journey into nature, endless discovery, emotional and cultural connection, adventure and fun.

The education programs are linked to The Victorian Early Years Learning 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. Student to teacher ratios can be found on the PBR website.

FOR MORE INFORMATION OR TO MAKE A BOOKING PLEASE CONTACT US ON:

P: 03 9757 0700 **E:** info@pbr.org.au

We acknowledge the traditional custodians of the land, the Wurundjeri and Bunurong people. We pay our respects to their Elders, past, present and emerging.



This publication is printed on FSC paper.



EDUCATION PROGRAMS

ENDLESS DISCOVERY



PUFFINGBILLY.COM.AU

ALL ABOARD!

Calling all students for a journey of endless discovery! 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 and appreciation of place and importance of community. Visit the Lakeside Visitor Centre, use your curiosity and imagination to explore technology and stories of the past and present.

STUDENTS WILL LEARN ABOUT:

- Past and present
- Changes to technology over time
- Importance of place and community
- Biodiversity

YEAR LEVELS: Kinder, Foundation – Year 2

LOCATION: Meet the Education Officer at Belgrave Station. Journey on Puffing Billy from Belgrave Station to Lakeside Station.

DURATION: 10am – 2pm



STEAM MACHINES

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. Visit the Menzies Creek Museum learning about design, materials and tools, to meet community needs.

STUDENTS WILL LEARN ABOUT:

- Establishment of local community
- Protection of place and natural areas
- People in design and technologies occupations
- Suitability of materials, tools and equipment for a range of purposes

YEAR LEVELS: Year 3– Year 4

LOCATION: Meet the Education Officer at Belgrave Station. Journey on Puffing Billy from Belgrave Station to Lakeside Station.

DURATION: 10am – 2pm



STEAMING STEM

Using the power of STEM based inquiry, examine and explore the past and present design and technology systems of the railway. Students commence their journey at Belgrave Station, developing an understanding of the logistics, energy sources, skills and systems used to power the train. Students disembark at Lakeside Station to explore the Visitor Centre. They visit the Menzies Creek Museum and Workshop learning about materials, tools and innovative ideas to meet community needs, for a sustainable future.

STUDENTS WILL LEARN ABOUT:

- Energy, force, motion
- Materials, tools and equipment for design and technology solutions
- Innovation
- Measurement, Geometry, Statistics and Probability
- Protecting biodiversity

YEAR LEVELS: Year 5 – Year 6

LOCATION: Meet the Education Officer at Belgrave Station. Journey on Puffing Billy from Belgrave Station to Lakeside Station.

DURATION: 10am – 2pm



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