

SCIENCE TOUR 1

Cowra and surrounds

1 Darby Falls Observatory, Wyangala

Explore the distant galaxies with Mark Monk, who offers several telescopes to view the night sky (family tickets).

The observatory includes a 20 inch F5 Newtonian omnidirectional ball scope, which automatically tracks the planet you are viewing, or select from the many other telescopes and refractors to explore the night sky.

LOCATION: Observatory Road off Darby Falls Road, en route to Wyangala Dam.

OPEN: Winter 7pm-10pm, Summer 8.30pm-11pm. Pre bookings essential.

PHONE: (02) 6345 1900

2 Wyangala Dam

Constructed in 1935, it was one of the last dams to be built using a railway system. The dam height is 85 metres and can hold twice the water of Sydney Harbour (1.2 million megalitres – how many gigalitres is that?) and supplies towns and farmers from Cowra to Lake Cargelligo and beyond. The hydroelectricity generated is enough to supply 11,000 people every year. See the historic images on a presentation at Wyangala Waters Caravan Park reception.

LOCATION: Wyangala Waters State Park, Wyangala Road, 38km from Cowra.

PHONE: (02) 6345 0877

Did You Know?

Under the dam water there is a hidden village and this was originally a gold mining area: 1 million litres is a megalitre; 1,000 megalitres is one gigalitre; the drought of 2009 reduced the water storage to 4.5%.

3 Lachlan Valley Railway

This is a railway enthusiast's dream! Cowra Locomotive Depot is home to one of the last remaining steam-era roundhouses in NSW. Come and see steam and diesel locomotives large and small, and some of the original sleeping carriages that ran overnight from Sydney to the regions. The war memorial fountain uniquely demonstrates the bond of railway workers. Sitting poignantly in the central garden it ensures that local railwaymen who paid the supreme sacrifice for their country are not forgotten. Museum staff will give you a glimpse into life in the days of steam and tell you how the railways changed the lives of every resident of country NSW. Guided tours by appointment.

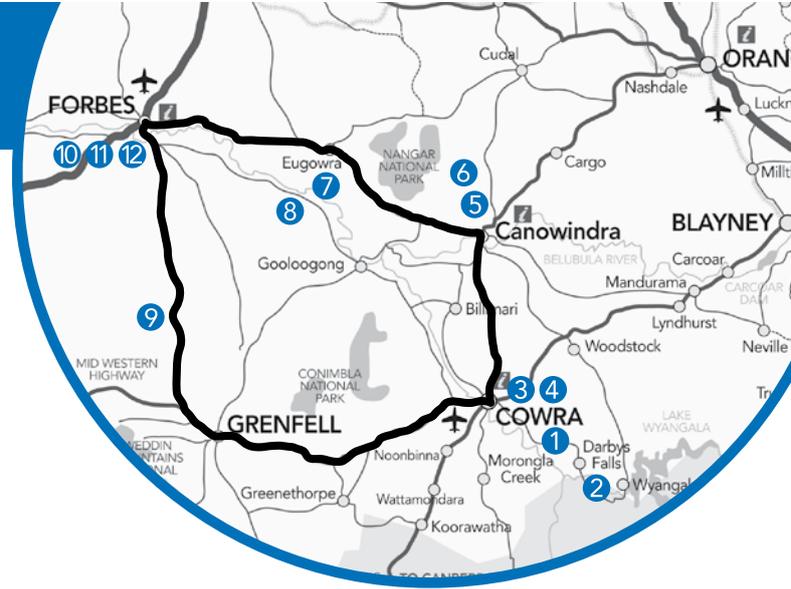
LOCATION: Campbell Street, Cowra.

PHONE: (02) 6342 4999

4 Cowra Railway Bridge

Built during the economic boom period of the late-1800s, this heritage-listed railway bridge was made in sections and brought from England at great expense. It shows how important the government felt it was to export agriculture by rail from Central NSW and was the final link in the state's first cross-country line from Blayney to Harden. This bridge and the 11 other lattice girder bridges built for trains in NSW are considered among the most important built during colonial time. Whilst timber truss bridges were constructed frequently, they were not suitable for wider crossings such as this one over the Lachlan River. The three main spans cross 159 feet - 48.4 metres.

LOCATION: Lachlan Valley Way.



Did You Know?

In 1922 Charles Kingsford Smith and Ken Richards flew under the old Cowra Road Bridge with just 18cm clearance on either side. They were then about to attempt the same escapade on this railway bridge when Richards noticed the telephone wires crossing the river. They pulled out of their dive with seconds to spare.

5 Canowindra's Historic Station & Age of Fishes Museum

Close to the centre of town is a remarkable intact heritage station and wheat silo complex that is heritage listed. This is because it shows how a rail yard, now with almost intact features, worked. It was part of an elaborate network in the late 19th century that crossed the Lachlan Valley. **Consider:** There are plans to resurrect the Lachlan Railways to transport agricultural produce and the railways have become recognised once again for their efficiency. In the 1900s Canowindra's cinema film and Worth's Circus used to arrive by rail. Visit the Age of Fishes Museum, which shows 360 million year old fossils of giant fish found in the local area.

ACCESSIBILITY: Wheelchair accessible and toilet, hearing loop and large print brochures.

LOCATION: Rail yard is on Mill Street and the museum just behind on Gaskill Street, Canowindra.

OPEN: Daily 10am-4pm

PHONE: (02) 6344 1008

6 Balloon Joy Flights

Take an early morning flight to reveal this magnificent landscape for an unforgettable experience. Small groups (6 plus) and family flights can also be arranged (family group package). Book your balloon flight.

LOCATION: 752 Longs Corner Road, Canowindra.

PHONE: (02) 6344 1819

SIDE TOUR

7 Eugowra Bushrangers Museum

Here you can see bushranger memorabilia including Johnny Gilbert's pistol. A member of the Frank Gardiner Gang he dropped his weapon close to the Escort Rock robbery site. Some of the museum's volunteers are descendants of bushrangers, so you can have fun chatting to them or look through the extensive collection of books and papers on local bushrangers.

LOCATION: Pye Street, Eugowra.

OPEN: Wednesday to Sunday 11am-4pm

8 Paytens Bridge

Travel south on the Eugowra Grenfell Road and you cross the Lachlan Bridge which is National Trust and State heritage listed. Named after Joe Payten, a soldier settler, who petitioned for the bridge, it is a rare example of an American Allan bridge design built in 1926 and shows how Australia was accepting new designs above those from the 'old country'.

LOCATION: Grenfell Eugowra Road.

9 Ochre Arch Farm

This is a unique farm tour experience. Here Phil and Jan Diprose encourage connection to landscape for visitors by showing them their diverse native vegetation and indigenous heritage-rich farm. They demonstrate how their sheep and cattle are managed using holistic and low stress stock handling methods to naturally improve land health and foster wildlife. Tours of the 385 hectare solar and wind powered farm are customised for both content and duration, from 2 to 4 hours to suit visitor interests and available time (from 2 to a small group). Visitors should wear practical walking shoes or boots and sun-safe clothing to suit the prevailing weather conditions.

ACCESSIBILITY: Not suitable for those with physical disabilities.

LOCATION: 761 Goodes Lane, Pinnacle (25 km NW of Grenfell).

OPEN: 7 days by arrangement and weather permitting.

PHONE: (02) 6343 5105

10 Forbes Historical Museum

This houses an extensive range of vintage farm machinery. Discover the characters, stories and misadventures which have created the legend of Ben Hall one of Australia's most famous bushrangers. Watch the Ben Hall film. There are also many other treasures (20,000 exhibits) of how people lived during the early life of Forbes. Guided tours and self guided tours.

ACCESSIBILITY: Not suitable for wheelchairs.

LOCATION: 11 Cross Street, Forbes.

OPEN: Daily 2-4pm (other times by arrangement).

PHONE: (02) 6851 6600

11 Wiradjuri Dreaming Centre

Appreciate the integrated philosophy of the Wiradjuri people that connects them with all living things and the land. It is this connection which binds them to the wildlife and requires them to Care for Country. Learn about the Wiradjuri history, language, tools and bush tucker. Consider if you were to select an Australian animal and plant to be your totem what would they be and why? The Dreaming philosophy means that animals are much more than simply totems to Aboriginal people, can you sense how this works?

ACCESSIBILITY: Wheelchair accessible.

LOCATION: Footbridge at the end of Cross Street, Forbes.

12 McFeeters Museum

Those of you who love great car design can wander through the exhibits from vintage to classic cars and street rods. Afterwards enjoy the Banderia Estate cellar door, gift shop and café serving breakfast, lunch and tea.

ACCESSIBILITY: Wheelchair access and toilets.

LOCATION: Corner Oxford Street and Newell Highway 0.5km South of Forbes.

OPEN: Daily 9am-5pm.



Local Eating
For Global Change.

Cowra Food

Daily tastings of local pistachios, roasted hazelnuts, flavoured salts, relishes, sauces and jams which are for sale every day at the Cowra Visitor Information Centre.

ACCESSIBILITY: Wheelchair accessible and toilet.

LOCATION: Cowra Visitor Information Centre, Olympic Park, Mid Western Highway, Cowra.

OPEN: Daily 9am-5pm, phone 1800 266 173

The Lady Bushranger

Taste the trademark scones and cream or stop for a light lunch. Located in a quaint 1908 building.

ACCESSIBILITY: Wheelchair accessible.

LOCATION: 51 Nanima Street, Eugowra.

OPEN: Wednesday to Sunday.

PHONE: (02) 6859 2900

Rosnay Organic Wine & Olives

Visit this award winning vineyard and learn about their environmental practices as an example of modern farming that is chemical free. See how they manage their ecology to produce delicious wine like their Cabernet Sauvignon or their naturally sparkling Chardonnay 2011. Talk to winemakers Richard or Sam Statham about their organic wines.

ACCESSIBILITY: Wheelchair accessible and toilet.

LOCATION: Rivers Road Organic Farms, Canowindra.

OPEN: By appointment.

PHONE: (02) 6344 3215

Places To Stay

The Imperial Hotel

Built in 1905, the Imperial Hotel is located in the heart of Cowra and lets you enjoy the atmosphere of a stress free country town. Child friendly, they have a range of accommodation options to cater for families. They have a 'no gambling' policy and their restaurant (with a family section) offers traditional pub-style meals using local produce

ACCESSIBILITY: Bar and Bistro, wheelchair accessible and toilet

LOCATION: 16 Kendal Street, Cowra.

OPEN: Monday to Saturday from 11.30am, closed Sunday.

Canowindra Riverview Motel

This is in walking distance from the main street. Motel rooms have queen size beds, ensuite bathrooms and tea/coffee making facilities, or you can choose their 4 bedroom River View Cottage which sleeps up to 10.

ACCESSIBILITY: Wheelchair accessible room.

LOCATION: 3 Tilga Street, Canowindra.

PHONE: (02) 6344 1633

BIG4 Forbes Holiday Park

Friendly park that has eco-friendly principles being Silver Gumnut accredited. It has a wide range of accommodation styles to choose from; villas, bungalows, ensuite cabins, lodges and powered/unpowered sites.

LOCATION: 141 Flint Street, Forbes.

PHONE: 1800 641 207

Visitor Information Centres

Bathurst 1800 681 000

Blayney (02) 6368 3534

Canowindra (02) 6344 1008

Cowra 1800 266 173

Forbes (02) 6852 4155

Gulgong (02) 6374 2691

Mudgee 1800 816 304

Molong (02) 6344 1008

Orange 1800 069 466

Parkes (02) 6862 6000

Peak Hill (02) 6869 1981

Wellington 1800 621 614

SCIENCE TOUR 2

Forbes – Condobolin – Parkes

First visit the **McFeeters Motor Museum** with its range of vintage, classic and street rod cars, then look at the wonderful vintage agricultural machines at the **Forbes Historic Museum**. Don't forget to see the film about bushranger Ben Hall, and then learn about the interconnection of nature and Aboriginal people at the **Wiradjuri Dreaming Centre**. Now head for Condobolin or to Parkes.

1 Warroo Bridge

Completed in 1909 this is an early example of a Dare timber truss bridge and is state heritage listed. Bridges like this have played a significant role in providing a road system that helped to get the farmers' produce to market. Before such bridges were built, river crossings were very dangerous in times of rain, so the price of transport was high for agriculture and mining. Only the highly priced wool producers of the time could afford the extra costs of transport in periods of flood.
LOCATION: Warroo Bridge Road, 200m from the Forbes Road.

2 West Women Weaving Baskets

Reeds are a very important resource for the Wiradjuri. They make fishing nets and mats, as well as baskets. Bev Coe is a Wiradjuri woman and an important textural artist. She employs traditional Aboriginal basket weaving techniques to make bags and baskets for contemporary uses. She runs short courses in traditional basket weaving at Western Plains Regional Development Inc. where weaving exhibits are also on display.
LOCATION: 18 Williams Street, Condobolin.
PHONE: For lessons, contact Heather Blackley (02) 6895 3301.

3 Wiradjuri Study Centre – Arts and Culture

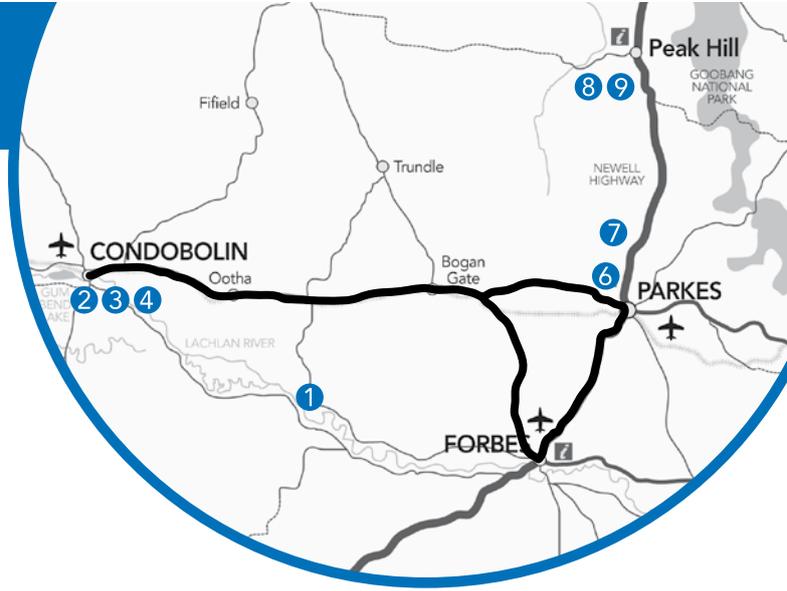
Art is a very important part of Aboriginal culture. It is not just decorative but holds many meanings. The Aborigines invented tools to do tree carvings and a processing method to use ochre (a special clay used for body painting). They also made a brush from a green stick by chewing the end to open up the fibres. One of the largest and most progressive Aboriginal cultural programmes in the region includes an inclusive cultural centre with an art and crafts exhibition. Cultural Appreciation courses can be booked by prior arrangement.
ACCESSIBILITY: Wheelchair accessible.
LOCATION: Cnr Cunningham and McDonnell Streets, Condobolin.
OPEN: Monday to Friday.
PHONE: (02) 6895 4664

4 Condobolin Railway Museum

Housed in the heritage listed barracks (where railway workers used to stay) Condobolin has the largest collection of 'trikes' in the state (railway maintenance vehicles).
LOCATION: Madeline Street, Condobolin.
OPEN: By appointment.
PHONE: (02) 6895 3301

5 Utes in the Paddock

This is a unique celebration of outback life – 20 of Australia's gifted outback artists donated their talents to help create this fun outdoor gallery of painted and sculpted Holden utes, including local artists Karen Tooth and young Wiradjuri artists of Condobolin Youth Services.
LOCATION: Condobolin, travel approximately 30km east on Highway 90 and turn right onto Mulguthrie-Ootha Road at Ootha. Drive for 3km.



Bush Tucker Day

2 day event held annually in September (running for 26 years) – Here there are cooking competitions, celebrity chefs, live entertainment, tastings and market stalls. Join in fun activities for children and special rates for families. Camping is available.

Trundle Abba Festival

20th July – Visit the iconic Trundle Hotel with the longest covered veranda in NSW. Go to Clarkes Garage for supplies. Take a look at Jean's Cottage for craft and art.
LOCATION: 36 Brookview Street, Trundle.

Travel to Parkes

6 Henry Parkes Centre Museums

There is a fabulous range of classic cars to admire. See this 7.5 acre museum with two village churches, a blacksmith shop, farm equipment and tractors. Smile at the amazing King's Castle Elvis exhibit featuring genuine Elvis Artefacts owned by Greg Page (former Yellow Wiggle). Located within the complex, the Visitor Information Centre has a great range of regional produce to choose from as well as Parkes and Elvis souvenirs to commemorate your trip.
ACCESSIBILITY: Wheelchair Accessible, disabled toilets and baby change facilities.
LOCATION: Newell Highway, Parkes (near Pioneer Street).
OPEN: Monday to Friday 9am-4pm, weekends and public holidays 10am-4pm.

7 'The Dish' - CSIRO Parkes Radio Telescope

Marvel at the iconic CSIRO Parkes Radio Telescope, a piece of Australian history made famous by the hit movie *The Dish*. Learn about radio astronomy and what astronomers discover when using the telescope. See the universe in our 3D theatre and enjoy the interactive exhibits. Souvenirs and science related items can be purchased at the gift shop and the award winning Dish Cafe is next door. The telescope is highly sensitive to radio interference, so before you arrive please turn off your phone and wi-fi devices or activate airplane/flight mode.



Junior Ranger

The Dish could hear a mobile phone ringing in the far reaches of the Universe. If aliens had their own radio telescope pointed at earth, what do you think they would find interesting to listen to? Also, try out the Astrokids Scavenger Hunt!

SCIENCE TOUR 2

ACCESSIBILITY: Wheelchair access and disabled toilets.

LOCATION: Turnoff onto Telescope Road, 20km north of Parkes on the Newell Highway

OPEN: Daily 8.30am-4.15pm, except Christmas and Boxing Day. Later in NSW school holidays. Free entry. Theatre admission applies.

Did You Know?

There is a Central West Astronomical Society which meets on the first Friday of the month at The Dish from 7.30 pm. People of all ages and experience are welcome to attend these monthly meetings. No prior knowledge of astronomy nor ownership of a telescope is required. All you need is a keen interest in, and an enthusiasm for, astronomy and the night sky. The programme also includes guest speakers, films, discussions and observation reports.



Events in the Night Sky

Check internet guides for more details

Spring:

- Southern Cross on its side in the south-west
- Orionid Meteor Shower early hours October 21st - debris from Halley's Comet
- Leonid Meteor Shower early hours November 17th

Summer:

- Southern Cross and Pointers low to the southern horizon and upside down
- Constellation Orion (inc "The Saucepan") overhead along with the bright star Sirius
- Geminid Meteor Shower early hours December 14th

Autumn:

- Southern Cross on its side in the south-east
- Constellation Leo (the Lion) in the north
- Lyrid Meteor Shower early hours April 22nd

Winter:

- Southern Cross upright in the southern sky
- Constellation Scorpius (The Scorpion) high overhead
- Perseid Meteor Shower early hours August 12th

8 Peak Hill Open Cut Experience

Peak Hill mine started in 1889 and is a huge open cut mine where you can now freely visit to see the methods used to extract the gold ore. There are original gold workings dating back to 1890s. There are several walks with interpretation and good viewing areas to see 5 spectacular open cut mines with panoramic views.

OPEN: 9am-4pm daily, entry free. Guided tours for a minimum of 10 people, bookings essential.

PHONE: (02) 6862 6000

9 Peak Hill Country Crafts Inc & Visitor Information Centre

The Gallery Wall shows local and district Art, including landscapes of the area. An Annual Landscape Award competition is held near Easter. Take a look at a gold cradle used over 100 years ago. Visit Cossor's Diecast Collectables with one of the largest selections of model cars, trucks and aeroplanes. See the first cement silo built in the southern hemisphere.

ACCESSIBILITY: Wheelchair accessible.

LOCATION: 62 Caswell Street, Peak Hill.

OPEN: 9.30am-4.30pm



Local Eating
For Global Change.

Smeaton's Bakery

A good old fashioned country bakery for all the family with

delicious pies, breads, cakes and slices made on site. There is also a lolly counter where you can mix and match and buy a lolly bag – just like when you were a kid and Mum sent you to the corner store.

LOCATION: 184 Clarinda Street, Parkes.

The Dish Café

Fabulous Award winning café with an impressive view of The Dish right outside. Menu includes seasonal and local produce.

ACCESSIBILITY: Wheelchair accessible and toilet.

LOCATION: 585 Telescope Road, Parkes.

OPEN: 8.30am-4.15pm daily.

Dwyer's Fresh

Award winning beef sausages and gourmet sausage.

LOCATION: 216 Clarinda Street, Parkes.

Places To Stay

Imperial Hotel Condobolin

Built in 1926, this has a cosy friendly authentic atmosphere with straight-forward accommodation, communal kitchen and bathroom facilities. You can meet other travellers and share stories. Thai restaurant open daily.

LOCATION: 64 Bathurst Street, Condobolin.

PHONE: (02) 6895 2139

Fifield Hotel

Family friendly and pet friendly country pub with bedrooms and shared facilities or camping on the property. Serves fresh food using organic vegetable and herbs from their garden, and the pub also has water wise policies. Meet the locals and hear the yarns. Guitar lessons and live bands, check for details.

LOCATION: Slee Street, Fifield.

PHONE: (02) 6892 7276

The Station Motel, Parkes

A very contemporarily designed 4 star motel with high speed broadband, individually controlled a/c, ensuite bathrooms and Austar cable TV. There is also a café and restaurant (Mon-Thurs) on site.

ACCESSIBILITY: Wheelchair accessible rooms.

LOCATION: 82 Peak Hill Road (Newell Highway), Parkes.

PHONE: (02) 6862 8444

Kadina Bed & Breakfast

Helen and Mal, who run this B&B, can also show you a working farm (which they formerly owned) outside Parkes. They offer a family friendly B&B with private bedrooms with ensuites, that can cater for extra children. All rooms, have modern amenities and comforts. Ask to visit the farm and see the machinery and learn what it does. You can also pre-book a country style dinner.

LOCATION: 22 Mengarvie Road, Parkes.

OPEN: (02) 6862 3995 or 0412 444 452

Visitor Information Centres

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Molong (02) 6344 1008

Orange 1800 069 466

Parkes (02) 6862 6000

Peak Hill (02) 6869 1981

Wellington 1800 621 614

SCIENCE TOUR 3

Bathurst to Abercrombie Caves

1 Western Highway

The city of Bathurst would not have been built if it were not for the road over the Blue Mts. Cox built the road in just six months, at 4 miles a week, with a team of 30 convicts guarded by 8 troops. The road had to be cleared 20 feet wide and 'grubbed' up to 12 feet wide. The method was basic and involved making an alignment created by blazing trees along a route which presented least difficulties. A track was cleared, grubbed, bridges and culverts built and in rare cases it might have been fenced. The route was not graded and, in sections like Mount York, logs were tied behind carts to steady them down the steep hill. At the bottom the log was untied, so inevitably a pile of unwanted logs were strewn across the trail. When matters got really bad a team of convicts was sent to clear the logs, and using bullocks, pulleys and heavy straps fastened to rocks, the convicts reassembled the pile of logs at the top.

LOCATION: Travelling from the Blue Mountains to Bathurst.

2 Cobb & Co

Bathurst became the NSW headquarters for Cobb & Co in 1862 and remained so for 50 years. From here routes spread as far north as Queensland as far west as Bourke and south to Wagga Wagga. By 1870 Cobb & Co coaches harnessed 6,000 horses a day, travelled 28,000 miles a week and generated 95,000 pounds a years from carrying the mail. One of the secrets to their success was the Californian made coaches. While the English built coaches with open body were heavy, and had steel springs, the American design was enclosed and slung on a thick leather support. This stretched the entire space between the front and back wheels which were secured with 6 to 8 inch leather thongs suspended from jacks at either end. The coach's body rested in a cradle fashion and was therefore more comfortable to travel in, was a lighter coach and could travel up hills much easier. Cobb & Co carried the mail, passengers and luggage but also the gold. See the inventive coach design that changed transport and communication in Australia at the Bathurst Visitors Centre.

ACCESSIBILITY: Wheelchair accessible and toilet.

LOCATION: 1 Kendall Avenue, Bathurst.

OPEN: Daily 9am-5pm.

3 Denison Bridge

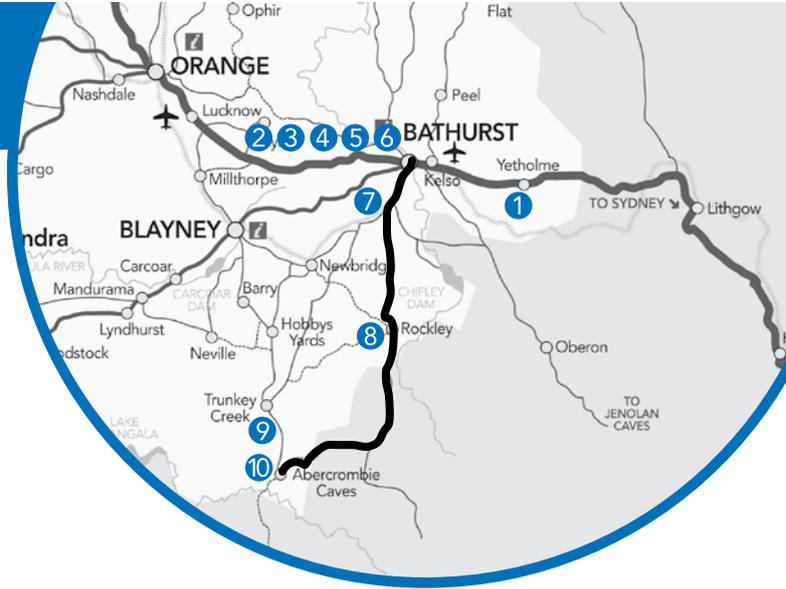
This was a pillar of the region's economy because it provided a safe crossing for over 120 years linking Sydney to its food basket of Central NSW. It is rare being the fifth oldest metal truss bridge in Australia and second oldest in NSW. Bathurst had no bridge over the Macquarie River until a long timber bridge was built in 1856. To celebrate, the Governor William Denison opened the bridge and then sat down to eat a roasted bullock with 3,000 other guests. Down-stream 11 days later, an entrepreneur George Ranken opened his own bridge. But in 1867 a flood destroyed the first wooden bridge and the debris also destroyed Ranken's bridge. So Bathurst was again forced to use ferries. Eventually an iron bridge was chosen to be permanent.

ACCESSIBILITY: Wheelchair accessible.

LOCATION: Bridge Street, Bathurst.

4 Chifley Train

Visit the Chifley Engine outside the Bathurst Railway Station and learn about the struggles of the railway workers and Chifley's strike campaign. Restored over 20 years the D50 class steam locomotive number 5112 was driven by Ben Chifley (engine driver) who became Australia's 16th Prime Minister.



Consider what type of transport you would expect a current Prime Minister to have driven as a profession before entering Parliament? Take a look at the heritage station, this Italianate impressive design is different from any other on the whole system, reflecting the importance in which Bathurst was held. The whole station is one of the most important railway sites in NSW because of the collection of buildings, yards and its presence in the city. In the late 1800s this place embraced some of the latest technologies that led Australia, and later forged a Prime Minister. Note the Rocket Street overbridge which was the first steel truss bridge to be used on the state rail network.

LOCATION: Keppel Street, Bathurst.

5 Mount Panorama

The innovation of road building means you can charge down the hill at Mt Panorama at 250km/h today. Originally a dirt racing track, then a scenic drive, it is now the home of the Australian Motor Racing. It is a formidable challenge with a long 174metre climb, very tight corners at the top of the mountain and then a long downhill straight. Judge for yourself, at a leisurely pace (60km/h) around the 6km circuit. Race days include a range of categories: Formula 3, closed cars and motor cycles. Mt Panorama is also a very important Aboriginal site 'Waluu' which means 'to watch over', where Wiradjuri men would look across their lands and observe travellers. From the top you have a breath-taking view of Bathurst and Central NSW.

LOCATION: Panorama Avenue, Bathurst.

6 National Motor Racing Museum

The Bathurst 1000 is a central feature of the Museum, but you can also see the history of speedway, solar, drag, rallying, open wheeler and sport cars. Facilities include BBQ and kids playground, family tickets available.

ACCESSIBILITY: Wheelchair and toilet.

LOCATION: Murray's Corner, beside Mt Panorama entrance.

OPEN: Daily 9am-4.30pm

En Route

Many of today's roads may have their origins as Aboriginal Songlines. These are routes known to the Aboriginal people and recalled through song (did you know that it is often easier to remember information as a song?). The Songlines may have been routes taken by trackers who led early European explorers, which subsequently were surveyed and eventually in some cases became the road system we



Junior Ranger

Draw your own map of your tour featuring the important natural landmarks you see on the way. Write a song linking them together - keep it as a souvenir.

follow today. In effect you could be travelling routes which are thousands of years old. Important land formation, plants and animals were included in the Songlines.

7 Queen Charlotte's Bridge

On your journey to Rockley you will cross this iron lattice bridge at Perthville. The heritage bridge was built in 1892, is technically sophisticated and one of only two single span lattice bridges. While wooden truss bridges were still being used and cost \$1,500 per square metre (indexed to the year 2000) the more expensive iron lattice bridge at \$9,000 was seen as being better because of their low maintenance costs. Consider in which instances are we prepared to choose higher costs for longer lasting designs today?

LOCATION: Bridge Road, Perthville.

8 Rockley Village

Visit historic Rockley village (listed by the National Trust) and see Rockley Mill Museum, one of the best examples of a late Georgian style mill (1864) which used a traditional millstone. The museum has three floors of displays and the original steam engine and flywheel of the mill.

LOCATION: Budden Street, Rockley.

OPEN: Sunday and public holidays 11.30am-4.30pm.

PHONE: (02) 6337 9279, 6337 9357, 6337 9381

9 Abercrombie Caves

Visit the naturally formed 'fort' that protected the Ribbon Gang. They were a group of convicts struggling to survive in 1830. Things came to a head when they were chased by the police to this cave complex. The 39th Regiment marched from Sydney and mounted police were called for from Goulburn (see below). Like all good 'forts' there was a secret exit, and the Ribbon Gang managed to escape, but two days later with nowhere to go, the convicts were caught and then hanged. It was the last mass hanging in Australia (allegedly at Ribbon Gang Lane in Bathurst). The caves are also an important Wiradjuri site. See the largest natural arch and take the kids on a magical underground journey. You can also relive gold mining at Mt Gray. Hire a gold pan at the visitors centre and try your luck fossicking.

LOCATION: Bald Ridge Road, off Goulburn Road.

Did You Know?

The Allan truss bridges were a big improvement over the McDonald trusses because they were \$205 cheaper to build, could carry 50% more and were easier to maintain. 82 timber truss bridges survive from the 400 built in the country.

10 Abercrombie Bridge

This is a unique bridge because its truss sizes are irregular. The centre spans 27.4 metres while the two sides span 21.6 metres, this design reflects a lost style amongst bridges of this type. The granite masonry piers are from a previous bridge built in 1879, while the Allan timber truss bridge section is a rare example of this engineering design built post WW1 in 1919.

11 Convict Road Building

To see an example of an original convict road and culverts travel south towards Tuena. The 48th mounted police travelled along this road from Goulburn to capture the Ribbon Gang.

LOCATION: 5km south of the Abercrombie Bridge.



Local Eating
For Global Change.

Legall Patisserie Café

French-born owner Philippe Legall insists on using quality

ingredients as "It makes all the difference", and his legion of fans agree. Indulge in mouth-watering croquembouche, lemon tarts and vanilla slices, or savour tasty pies and quiches freshly baked on site.

ACCESSIBILITY: Wheelchair accessible and toilet.

LOCATION: 56 Keppel Street, Bathurst.

OPEN: Tuesday to Friday 9am-5pm, Saturday 9am-2pm.

PHONE: (02) 6331 5800

Places To Stay

Rydgges Mount Panorama

A large portion of the restaurant menu is locally produced including Bathurst's wines. Guest room options are studio, deluxe and 3 bed apartments, some guest rooms are pet friendly.

ACCESSIBILITY: Wheelchair accessible and toilets.

LOCATION: 1 Conrod Straight, Bathurst.

PHONE: (02) 6338 1888

Barcoo's Barn Farmstay and Retreat

Settled by the Hamer family in 1834, Wardell is a farm experience run by the 7th generation Hamer family making it unique in Central NSW. See the 200 Merino sheep, 70 breeding cows and several working dogs and 10 horses. There are tractors and other farm machinery to watch, and kids love the farm activities, pony rides and sled rides pulled by Bella their Clydesdale horse. Accommodation options are 2 self-contained units (each sleeping up to nine persons), caravan and camping facilities. Children to be supervised, pet friendly, farm tours by appointment.

LOCATION: 1080 Trunkey Road, Perthville.

PHONE: (02) 6337 2383

Neville Siding Unique Accommodation

Why not sleep in a train, or a post office, a railway station or house? This imaginative and fun holiday experience with self-contained accommodation is a perfect way to experience the railway history of Central NSW. They also have BBQ facilities, outdoor chess and a tennis court.

LOCATION: 12 Crouch Street, Neville.

PHONE: (02) 6368 8455

Buddens

Formerly the Rockley Bank, this 1872 Georgian building was restored with a National Trust Award and is now a B&B and a two bedroom cottage. Take lunch and afternoon tea on the veranda. Breakfast or candlelight dinner provided to guests.

LOCATION: 18 Budden Street, Rockley.

PHONE: (02) 6337 9279

Visitor Information Centres

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Mudgee 1800 816 304

Molong (02) 6344 1008

Orange 1800 069 466

Parkes (02) 6862 6000

Peak Hill (02) 6869 1981

Wellington 1800 621 614

LOCATION: Newcrest Mining, Cadia Road, 30 km south of Orange.
PHONE: (02) 6392 2300

Did You Know?

The Cadia Hill copper mine's steam engine, buildings and chimney are of national significance because so much of the original elements of this rare cultural mining method are intact. Wood was burnt at a rate of 1,000 tons a month. Today the conservation of this site, by Newcrest Mining, is used by the Heritage Council as an example of best practice.

8 Gnoo Blas & Classic Cars

Visit the classic car show on the second Saturday in February in Sir Jack Brabham Park, which is close to the original Start/Finish line of the original Gnoo Blas motor racing circuit. Racing started in 1951 and ran for ten years and involved famous names such as Bob Jane, Stan Jones and Reg Hunt. The Orange Visitors Centre has an information leaflet on the circuit.

LOCATION: Forest Rd/Huntley Road and Bloomfield Road, Orange.

9 Manildra Flour Mill and Railway Museum

From the 1870s new steel roller technology arrived in flourmills, replacing stone rollers, which gave much finer results. Come and see the Manildra flour mill (you can't miss it) it is the largest in the Southern Hemisphere. A guided tour lets you appreciate modern milling methods first hand. Manildra's location on the rail line is perfectly suited to process Central NSW's wheat because farming, revolutionised by new varieties, was able to be grown in new areas. The western fringes of wheat growing were Grenfell in 1904 which became Condobolin by 1912. Trundle and Tullamore were the fringes in 1900 but the heart of prime wheat land by the 1920s. The drier climate increased the gluten content and this improved baking quality which boosted export value. The innovations of Australia's wheat farming and milling are demonstrated here.

LOCATION: Kiewa Street, Manildra.

OPEN: By appointment.

PHONE: (02) 6364 5003

10 Amusu Theatre and Film Poster Shop in Manildra

The art deco Amusu cinema is a state heritage listed building, being both rare and home to endangered aspects of NSW cultural history. It has been described as "a living icon of the importance of film and cinema in NSW". It has the original carbon projectors, seating including the 'love seat' flooring and curtains and is the oldest continuously running cinema in the country. There is a special film poster shop/museum beside the cinema which boasts the Alan Strachan collection, over 20,000 movie posters (many for sale) and movie memorabilia.

ACCESSIBILITY: Wheelchair accessible and toilet (to be opened).

LOCATION: Derowie Street, Manildra.

OPEN: Saturday and Sunday 11am-3pm.

SIDE TOUR TO PARKES

The Parkes Agricultural Show is held annually in August. Here you can see heritage agricultural equipment at the Henry Parkes Museum and The Dish.



Local Eating
For Global Change.

Sallydale Organics

On your way from Carcoar to Millthorpe stop here to try

Sallydale's local cakes, biscuits, bread, pies, friands, free range eggs, honey, preserves, jam, marmalade, jelly and hazelnuts.

ACCESSIBILITY: Wheelchair accessible.

LOCATION: 225 Marshall's Lane, Blayney.

OPEN: Weekends 9.30am-5pm.

PHONE: (02) 6368 2550

Beekeeper's Inn

The Beekeeper's Inn is a unique treasure trove encased in an historic inn, originally a Cobb & Co. stop-over built in 1859. This tourist destination features a café/restaurant serving modern Australian cuisine cooked and baked on the premise, local Orange and Bathurst wines and 1859 beer brewed on site. The establishment also offers local farm produce including Goldfields honey, gift ware, skin care products, a nursery and range of antiques and collectables. 1859 Beer Garden and Wedding Reception Area opening in November 2013 and taking bookings now!

ACCESSIBILITY: Wheelchair accessible and toilet.

LOCATION: 2319 Mitchell Highway, Vittoira.

OPEN: Daily 9am-5pm.

PHONE: (02) 6368 7382

A Slice of Orange

They are passionate about sourcing only local artisan food including producers and farmers like Nanima Farm Lamb (fresh saltbush lamb cuts, gourmet pies and burgers with native Australian herbs).

ACCESSIBILITY: Wheelchair accessible.

LOCATION: 200 Anson Street, Orange.

OPEN: Monday to Friday 9am-5.30pm, Saturday 9am-3pm, and Sunday 10am-2pm.

PHONE: (02) 6369 0396

Places To Stay

Leloma Bed & Breakfast

Private bedrooms with ensuite and French doors that lead onto the garden. This peaceful B&B set opposite a nature reserve and creek is located just 8 minutes walk to the centre of Orange.

LOCATION: 27 National Avenue, Orange.

PHONE: (02) 6369 0522

Aranzia Bed & Breakfast

Located just outside Orange with stunning views. Guest lounge with fire and large private bedrooms with ensuite and air conditioning. Full cooked breakfasts with local produce.

LOCATION: 69 Wrights Lane, Orange.

PHONE: (02) 6365 3305

Millthorpe B&B

Contemporary interior design, private rooms with guest bathroom, cooked breakfast using local produce. Dine at award winning cafes and restaurants and taste local wines in the village.

LOCATION: 11 Morley Street, Millthorpe.

PHONE: (02) 6366 3967

Visitor Information Centres

Bathurst 1800 681 000

Blayney (02) 6368 3534

Canowindra (02) 6344 1008

Cowra 1800 266 173

Forbes (02) 6852 4155

Gulgong (02) 6374 2691

Mudgee 1800 816 304

Molong (02) 6344 1008

Orange 1800 069 466

Parkes (02) 6862 6000

Peak Hill (02) 6869 1981

Wellington 1800 621 614

SCIENCE TOUR 5

Hill End – Sofala – Kandos – Mudgee



En route

Many Cobb & Co routes were driven at night. Drivers had to be familiar with the roads and would have had to have excellent knowledge of every bend, tree stump and creek bed. The drivers had to be first class 'whips' to manage the careering coach and horses round tight bends, through bogs, up hills with winding, stony paths. They needed to be constantly watchful to know all the 'bad places' along the bumpy journey. The box seat next to the driver was prized, passengers preferring the risk of a storm than being juggled about inside. Horses were changed every 15 to 30 miles. In wet weather the mud could be above the axles and the driver, waist deep, would try to guide them out. There were stops at inns for meals. It was the duty of male passengers to jump off to open and close gates. With all these interruptions the pace was on average 6-7 miles per hour. See an original Cobb & Co coach at the Bathurst Visitors Centre.



Junior Ranger

How many kilometres to a mile? When did Australia require all cars to have km reading speedometers? Name two countries which still use miles? Answer on reverse

1 Hill End Village

Plan to stay two days at unique Hill End, one of the oldest surviving living cultural heritage sites in Australia. Visit the town's original buildings and museum. Join a Village Tour or a guided tour of Craigmoor House and see what life was like in the 1870s. After the gold rush, when there were thousands of miners and plenty of pubs, the town reverted to a quieter more tranquil setting. Its rare beauty has and continues to inspire many famous Australian artists. Today it offers remarkable experiences. Facilities include picnic tables, toilets, drinking water and free electric BBQ's.

ACCESSIBILITY: LaPaloma Pottery, General Store, Great Western Store, Visitor Centre, Northey's store, Post Office and Presbyterian Church are wheel chair accessible.

VISITOR CENTRE OPEN: Daily 9am-4.30pm (closed 12.30-1.30pm).

2 History Hill Museum

This museum is fun for all ages and provides an insight into the rough and ready existence of miners from all different parts of the world.

LOCATION: 2 km from Hill End on the Sofala Road.

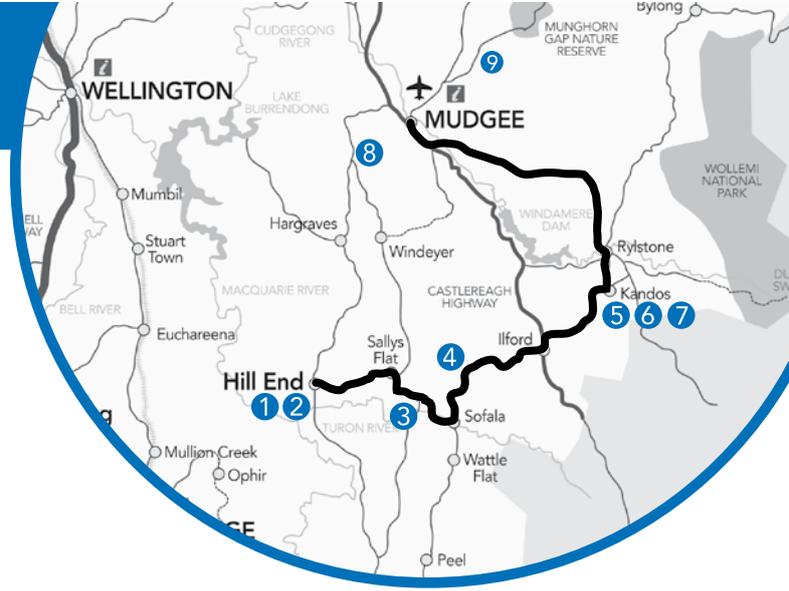
OPEN: Weekends, long weekends, and school holidays 10am-4pm or by appointment.

PHONE: (02) 6337 8222



Junior Ranger

Take the Ghost Tour (2 hours) or join the Easter Egg Hunt, There are NPWS Discovery activities to enjoy (during school holidays and Long Weekends), bring your bike and explore Hill End's historic streets and trails.



3 Wallaby Rocks Bridge

One of the oldest examples of the Allan timber bridges, which were the first truly scientifically engineered timber truss bridges and incorporated American design ideas for the first time in Australia. This shows the slow increase in accepting new ideas from America. Another example was the Cobb & Co stage coaches designed in California which would have travelled over this bridge. Without the crossing it meant high expense and delays for freight to and from this region. Wood like iron bark, is a third of the strength of cast iron, so timber bridges built with native trees was a good alternative to sourcing iron.

Did You Know?

Bridges like this were so prominent on the roads that NSW was known as the "timber truss bridge state" at the time.

4 Turon Technology Museum – Museum of Power

See the development of engines from steam to internal combustion to turbines. The extensive collection includes a rare horizontal steam engine 1845 and 1866 Marshall portable engine and a 61 ton electric diesel engine with 2,200 Brake Horse Power.

ACCESSIBILITY: Wheelchair accessible.

LOCATION: 5833 Ilford Road, Sofala.

OPEN: Selected Saturday and Sundays (call to confirm opening times), groups by appointment.

PHONE: (02) 6358 8434



En Route

By 1895 the railways had stretched far across NSW but the stage coach was still important as a feeder service. A Cobb & Co coach hauled by a team of 5-7 horses carried five passengers plus the driver on the outside, six to nine people inside, their luggage and the mail. Larger horses were used as 'polers' for heavy work and smaller, lighter ones were leaders to 'set the pace'. Today diesel engines for construction and agricultural machines used in Central NSW generate the equivalent of more than 600 horses.

5 Down The Track

A great stop on your technology tour is this café located in the quaint historical railway station of Kandos. Examine all the railway memorabilia (ticket stamping machines, level crossing bells and more) sit on train seating and then select delicious fresh food, award winning local wines, fresh coffee, soft drinks and quality ice cream. There is also a gift shop that sells toys.

ACCESSIBILITY: Wheelchair accessible, toilet in park opposite.

SCIENCE TOUR 5



LOCATION: 63 Davies Road, Kandos.

OPEN: Monday to Wednesday 10am-4pm (closed Tuesday), Thursday to Sunday 8am-5pm.

PHONE: (02)



En Route Wiradjuri Mining

The Wiradjuri nation conducted mining across the region; on the shores of Lake Cowral they mined stone tools while in the Grenfell area they sourced ochre. Both stone tools and ochre were important commodities to trade with other tribes, just as mineral resources are important in modern Australia. Ochre is an important clay is used for art including body painting, a key part to ceremonies.

6 Kandos Bicentennial Museum

Filled with industrial and cultural exhibits, the museum is an interesting record of the importance of industry and cement to this little town.

ACCESSIBILITY: Wheelchair accessible and toilets.

LOCATION: 22 Buchanan Street, Kandos.

OPEN: Friday 3-4.30pm, Saturday and Sunday 10.30am-4.30pm.

PHONE: (02) 6379 4600

Charitable donations accepted to maintain museum.

7 Bikes & Buds

Considered one of the best collections of Harley Davidsons in the Southern Hemisphere.

LOCATION: 71 Angus Avenue, Kandos.

OPEN: Monday to Friday 9am-5pm, Saturday and Sunday 8am-3 pm, closed Tuesday.

PHONE: (02) 6379 4575

8 Wiradjuri Mining

The Wiradjuri nation conducted mining across the region; on the shores of Lake Cowral they mined stone tools while in the Grenfell area they sourced ochre. Both stone tools and ochre were important commodities to trade with other tribes, just as mineral resources are important in modern Australia. Ochre is an important clay is used for art including body painting, a key part to ceremonies. Gold is an important mineral used in our culture for jewellery and in wedding ceremonies. Red ochre was traded along the criss-cross of communication networks in this region far and wide. One of these trading 'highways' is the route to your east which runs from where Lithgow is now to north of Mudgee.

9 Mudgee Observatory

Mudgee Observatory is located just outside the small town of Mudgee NSW. The observatory is situated 15 minutes drive to the west of Mudgee in a location with little light pollution from the town lights and those of the Ulan mines. The theatre and flat screen planetarium run several features on the night sky and the Sun as well. A variety of telescopes and binoculars are available for visitors to use as well as conducted tours of the night sky. Bookings are essential.

LOCATION: 961 Old Grattai Road, Mudgee .

OPEN: See web site for costs and times.

PHONE: (02) 6373 3431

10 Robert Stein's Motorcycle Museum

Enjoy wine tasting and admire the collection of classic motorcycles, rare collectables and photographs.

ACCESSIBILITY: Wheelchair accessible.

LOCATION: Pipeclay Lane, Mudgee.

OPEN: Daily 10am-4.30pm.



Leaning Oak

European style small farm and dairy making a range of farmstead

cheeses from sheep and goat's milk. Cheese can be tasted and bought. You can also try their wines which include Merlot, Semillon and Chardonnay.

LOCATION: Cnr Ulan and Buckaroo Roads, Mudgee.

OPEN: Thursday to Monday 10am-4pm.

PHONE: 0420 744 810

Lowe Wines

Cellar door and winery are located just outside Mudgee in an idyllic setting enhanced by Lowe's philosophy of sustainable organic winemaking. This means herbicides, insecticides and most fungicides are not used on the grapes nor chemicals in the winemaking.

LOCATION: Tinja Lane, Mudgee.

OPEN: Daily 10am-5pm.

PHONE: (02) 6372 0800

Places To Stay

Glendora Campground and The Village Campground

Beside the village or at Glendora you will find great picnic facilities, wake to meet the grazing kangaroos and hear the king parrots. Powered sites and tent sites.

ACCESSIBILITY: Wheelchair accessible (easy: The Village, hard: Glendora), toilet and shower.

LOCATION: Village camping beside Warrys Road and Glendora is 1 km north west of Hill End on the way to Bald Hill lookout.

Hill End B&B

As you would expect a classic B&B with period furniture in a 1873 building - store and Hosie's Cafe on the ground floor. Delicious hot gourmet breakfast awaits.

LOCATION: 1 Clarke Street, Hill End.

PHONE: (02) 6337 8290

Macleay Duff Apartment

Self contained 2 bedroom apartment with queen bed, double bed, family sized kitchen and linen supplied. A private secluded garden just 6 blocks from the town centre.

LOCATION: 2/9 Thomas Clark Place, Mudgee.

PHONE: (02) 6372 1547

The Other House at Little Tallawangra

Set on a working sheep farm this child friendly house has two spacious bedrooms, a bunk room and two bathrooms with solar hot water and slow combustion stove. There are wide views of the orchard, vegetables garden and paddocks and hills beyond with gum trees and sheep. Kids can enjoy the books and games, ride their bikes or play games outside including tennis. This is the real McCoy that creates farm holiday memories. Pet friendly.

ACCESSIBILITY: Wheelchair accessible.

LOCATION: 293 Yarrabin Rd, Off Hill End Road, Mudgee.

PHONE: (02) 6373 3576

Visitor Information Centres

Bathurst 1800 681 000

Blayney (02) 6368 3534

Canowindra (02) 6344 1008

Cowra 1800 266 173

Forbes (02) 6852 4155

Gulgong (02) 6374 2691

Mudgee 1800 816 304

Molong (02) 6344 1008

Orange 1800 069 466

Parkes (02) 6862 6000

Peak Hill (02) 6869 1981

Wellington 1800 621 614