

## **STEAM ASSOCIATION OF MANITOBA (SAM) STEAM SCHOOL 2023 INFORMATION**

Covid-19: We will be following MB provincial guidelines and Manitoba Agricultural Museum requirements in effect in 2023. Classroom tables and seating will respect distancing requirements. Masks are welcome.

Steam traction engines by design require closer distancing. Limits will be set for engine platform occupancy. Time on each of the engines will be scheduled for students to have equal time on every training engine. All instructors and students must honor the requirements for Covid-19 protocols in effect at the time of Steam School.

When: Steam School 2022 will begin Friday, August 11 at 6:30 pm and continue through Saturday, August 12 until 4:30 Sunday, August 13, 2022.

Students may have a lot or no steam experience. Some may own engines. The 20 hour program will provide all students the opportunity to gain some formal and practical knowledge.

In addition to steam school, students seeking to obtain a Manitoba Steam Traction Engineer's License are expected to acquire at least 80 hours of practical experience including a variety of activities to be signed off by licensed steam traction engineers. Candidates considered ready will apply with an affidavit detailing steam experience to Inspection and Technical Services (ITS), a division of the Office of the Fire Commissioner (OFC), for a written test and a driver's test.

Instructors are members of SAM and members invited from other steam associations. Instructors do not receive payment. All Instructors volunteer their time and knowledge.

Location: Manitoba Agricultural Museum (MAM), Austin, Manitoba, 2.4 km (1 ½ miles) south of Trans Canada Highway #1 on PTH 34

### Accommodations:

- Camping is provided on the museum grounds with 15-amp services. Washrooms are available and showers are provided at \$3 each. 30-amp service is available and requires payment of the standard \$35 camping fee.
- Hotel/motel accommodation can be found along Trans Canada Highway #1. Accommodation can be found at McGregor (10min) east, Carberry (40 min) west at Hwy 5, Portage la Prairie (30 min) east and Brandon (45min) west

### Fees:

- Course: \$75.00
- Food (Optional) \$50.00. Food service begins Friday evening and extends to Sunday noon. Meals, snacks and coffee are not individually priced.

- Friday - light supper
- Saturday - breakfast, lunch and supper
- Sunday - breakfast and lunch
- snacks, coffee and drinks will be available for students and staff during the Steam School breaks

There are grocery stores in the town of Austin (1½ miles north of MAM) and in MacGregor (10 miles east on Hwy #1)

Course Materials will be distributed on Friday starting at 5:00 pm. Formal classes begin after supper at 6:30 pm on Friday evening in the Museum dining hall.

Program Topics

Parts of a steam traction engine	Properties of steam
Startup/shutdown procedures	Lubrication
Pipes, fittings and valves	Boiler design and construction
Control of motion	Boiler law and regulations
Handling an engine	Inspection and repair
Firing	Documentation and record keeping
Types of engines	Belting demonstration
Emergency procedures	Water treatment
Items attached to a boiler	Layup

Hands-on time for students will be scheduled on Saturday and Sunday along with class time.

Apparel: Personal protective clothing should be worn including safety glasses, leather gloves, safety boots, rough work clothes (long sleeved shirts). No nylon or polyester clothing should be worn because these products can melt and stick to your skin.

Dress for warm, cold, wet, or dry conditions.

Application forms:

The Application, Student/Participant Release and Indemnity Agreement and Fees Payment forms can be obtained from <http://mbsteam.ca>:

The Application, the Student Indemnity Agreement, and Fees must be received by Aug 4, 2023. Refer to the Fee form for payment details.

For further information:

- Regarding Registration contact: Gerald Dueck at 1 204 573 5545, [dueck@brandonu.ca](mailto:dueck@brandonu.ca)
- Regarding Course Program contact: Jim Nowell at 1 204 837 1562 [jnowell@shaw.ca](mailto:jnowell@shaw.ca)