

**Training Evaluation Request**  
**Oregon Environmental Services Advisory Council**  
**Watura**  
**Math Grade I - Part I**

**Course title:** Math Grade I - Part I

**Drinking Water CEUs:** 1.5 h

**Wastewater CEUs:** 1.5 h

**Instructor bio:** **Mike PING** is a licensed Professional Engineer with a Bachelor of Science in Electrical Engineering from Clemson University. He brings over 24 years of experience in the water and wastewater industry and is an active member of the WEA.

**Course description:** This course provides Grade I water and wastewater operators with essential math skills focused on unit conversions. This course will cover the order of operations, the structure of the metric system, and how to perform unit conversions commonly encountered in the field—such as distance, volume, pressure, temperature, and flow.

**Learning goals:**

- Solve basic math calculations in the right order
- Perform one-step conversions between units of distance, volume, pressure, temperature, and flow, using both metric and imperial systems
- Select and use appropriate conversion factors to solve practical problems encountered in the field

**Tracking attendance method:**

The e-learning platform offers a highly interactive experience designed to engage learners at every stage. It begins with an initial test to assess knowledge and tailor the learning journey. The course includes short, focused videos interspersed with mandatory training quizzes that reinforce key concepts and ensure active participation. Students are required to watch every video entirely and to answer practice questions before advancing to the next course module. Students cannot skip course content. A final quiz at the end of each chapter evaluates overall comprehension and certifies the learner's mastery of the material. Students must obtain a minimum score of 70% for every chapter's final quiz to successfully complete the course and obtain the certificate of attendance. The platform automatically tracks each learner's learning time. The real learning time is indicated alongside the delivered credits in the course completion certificate.

**Course outline: Math Grade I - Part I**

<b>Initial Test</b>		7 min
<b>1. Math Grade I - Part I</b>	1.1. Course Overview	1 min
	1.2. Tackle Math with Confidence	3 min
	1.3. Order of Operations	5 min
	1.4. Metric System	4 min
	1.5. One-Step Conversions	4 min
	1.6. Distance Conversions	8 min
	1.7. Temperature Conversions	5 min
	1.8. Volume Conversions	3 min
	1.9. Pressure Conversions	8 min
	1.10. Flow Conversions	8 min
	1.11. Grade I - Practice Test 1	10 min
	1.12. Grade I - Practice Test 2	10 min
	1.13. Interactive Fact Sheets	4 min
	<b>Chapter final test</b>	10 min
<b>Total Learning Time</b>		90 min
<b>Requested Contact Hours</b>		1.5 h