

# Course Syllabus

## TEA Science Safety Training for Middle School

Lessons	Sections	Activities
1. Introduction to Safety Training	1.1 Introduction 1.2 Training Objectives	<ul style="list-style-type: none"> <li>○ Download <i>Texas Education Agency Texas Safety Standards</i></li> <li>○ Read NSTA Position Statements</li> <li>○ Reference <i>Texas Education Agency Texas Safety Standards</i></li> </ul>
2. Classroom Safety and the Law	2.1 Introduction 2.2 Students with Disabilities 2.3 Liability 2.4 19 Texas Education Code (TAC) Part II: Texas Education Agency 2.5 Lab Scenarios	<ul style="list-style-type: none"> <li>○ Reference <i>Texas Education Agency Texas Safety Standards</i></li> <li>○ Discussion Topic: "Solutions to Accommodations"</li> <li>○ Discussion Topic: "Minimizing Liability"</li> </ul>
3. Globally Harmonized System	3.1 Introduction 3.2 Chemical Labels and Safety Data Sheets 3.3 Pictogram Matchup 3.4 Training Video and Resources	<ul style="list-style-type: none"> <li>○ Instructional video</li> <li>○ Matching activity</li> <li>○ Instructional video</li> <li>○ Reference OSHA publications</li> </ul>
4. Responsibility of Instruction	4.1 Introduction 4.2 Field Investigations and Experiences 4.3 Lab Room Tour 4.4 Fire Safety 4.5 Eye/Face Wash 4.6 First Aid 4.7 Fume Hood 4.8 Chemical Labels 4.9 Animals in the Science Classroom 4.10 Classroom Responsibilities 4.11 Creating a Safety Plan	<ul style="list-style-type: none"> <li>○ Reference <i>Texas Education Agency Texas Safety Standards</i></li> <li>○ Field trip forms</li> <li>○ Interactive animation</li> <li>○ Instructional video</li> <li>○ Read NSELA article</li> <li>○ Review OSHA first aid supplies</li> <li>○ Instructional video</li> <li>○ Instructional video</li> <li>○ Read NSTA Position Statement</li> <li>○ Analyze chart</li> <li>○ Discussion Topic: "Safety Plans"</li> </ul>
5. Responsibility of Supervision	5.1 Introduction 5.2 Glove Safety 5.3 Eye Protection 5.4 Goggles Song 5.5 Safety Self-Check	<ul style="list-style-type: none"> <li>○ Read NSELA article</li> <li>○ Reference ACS for instructional video and resources</li> <li>○ Instructional video</li> <li>○ Interactive animation</li> </ul>
6. Responsibility of Maintenance	6.1 Introduction 6.2 Maintenance of Lab Equipment 6.3 Chemical Safety 6.4 Keeping It Uncluttered and Organized 6.5 Equipment Check	<ul style="list-style-type: none"> <li>○ Reference ACS Safety Guidelines</li> <li>○ Reference <i>Texas Education Agency Texas Safety Standards</i></li> <li>○ Interactive animation</li> </ul>
<b>Final Test</b>	Once you have completed the course lessons and activities, you must take and pass the 20-question final test. You must receive an 80% or higher in order to pass. If you do not pass, you must review the course lessons again and retake the test. When you have successfully completed the final test, you will receive a certificate of completion and 3 CPE credits.	