

# STEM

## Learning Outcomes and Course Checklist

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### Course Overview

STEM stands for Science, Technology, Engineering, and Math and is quickly gaining popularity and momentum in schools in the United States. STEM curriculum is constantly being added to existing curriculums nationwide with the goal of giving students a quality foundation in the subjects that make up STEM. Ideally, students will build their foundational STEM skills to the point of real-world applications and future careers. This course discusses some basic fundamentals of STEM and STEAM instruction and includes some suggestions for implementation as well as STEM lesson plans.

### Level 2

- Washington STARS credit: Program Planning and Development (1 hour)
- CDA Content Area: Effective Program Operation (1 hour)

### Objectives:

Apply the elements of STEM in their program

Explain STEM and the elements that make it STEM

Analyze one of the given STEM lesson plans for potential use in your program

*This checklist is for your reference only, and using it is optional. You may print or save it to your computer to use to track your progress.*

## **COURSE CHECKLIST**

	<a href="#">1. STEM Course Menu</a>
	<a href="#">2. STEM</a>
	<a href="#">3. Introduction to STEM</a>
	<a href="#">4. Fundamentals</a>
	<a href="#">5. Discussion: STEM</a>
	<a href="#">6. Science</a>
	<a href="#">7. Science Lesson Plan Example</a>
	<a href="#">8. Technology</a>
	<a href="#">9. Technology Lesson Plan Example</a>
	<a href="#">10. Engineering</a>
	<a href="#">11. Engineering Lesson Plan Example</a>
	<a href="#">12. Mathematics</a>
	<a href="#">13. Mathematics Lesson Plan Example</a>
	STEM Course Assignment
	Course evaluation form

## GETTING HELP

### Student Support Hours

Monday - Friday 6:30 am – 9:00 pm

Saturday - Sunday 8:00 am – 9:00 pm

For information on help, go to: <http://www.starsclassesonline.com/getting-help.html>

E-mail: [info@starstraining.org](mailto:info@starstraining.org)

Phone Support: (360) 602-0960

## COURSE TRAINER

Debra Hasbrook, M.Ed.

Email: [debbiehasbrook@starstraining.org](mailto:debbiehasbrook@starstraining.org)

Trainer Live Chat Hours: Monday-Friday 9 am – 5 pm

## CERTIFICATES

This is a LEVEL 2 Course.

If your assignments were adequately completed, you should expect that the turnaround time will be less than 24 hours from the time which you submit the evaluation form until you receive your certificate by email. If you did not adequately complete the assignments, the trainer will send you an email requesting that the coursework be redone. Be sure to watch for emails from Debbie Hasbrook, Successful Solutions, for coursework feedback.

If you do not receive your certificate within 24 hours from when you submit the evaluation form, check your junk mail or spam folder. If the certificate email is lost in cyberspace, we will not know that you did not receive it. You will need to provide us with a different email address, such as a new Yahoo email account, to receive your certificate. Please be aware that Wavecable and Comcast especially seem to have difficulties receiving our emails with the certificates attached. Thank you for your cooperation and patience.