



1.1.d - Increase the STEM math and science training opportunities for early learning professionals by 20% from 2013 baseline total by June 2015

NOTE: The information below was presented to the Governor on 7/15/15.



WORLD CLASS EDUCATION EARLY LEARNING

Department of Early Learning

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Washington State Department of
Early Learning

Background: *Why is STEM a priority?*

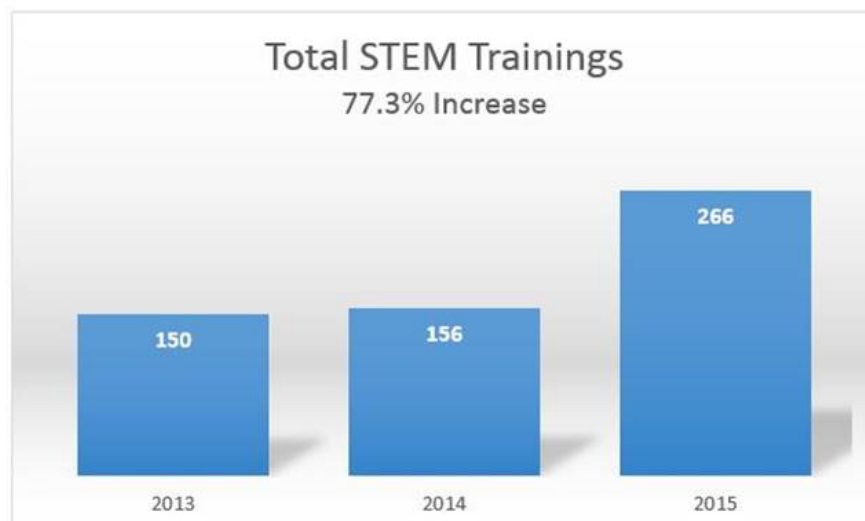


- Early math skills are early predictors of life-long learning
- The brain is strongly receptive to learning math & logic from birth through age 5
- STEM helps children develop problem solving and executive function skills
- Executive function skills are critical, helping children to develop new solutions to everyday problems and challenges
- STEM skills support whole child development, preparing children to be successful workers and resilient adults

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Current State: STEM trainings have increased by more than 77% since 2013

- STEM training has increased from 150 in 2013 to 266 in 2015 (77.3% increase)
- Science-focused STEM trainings increased by 76%
- Math-focused STEM trainings increased by 55%



Problem/Opportunity: *A need for more consistent STEM curriculum available statewide with personalized supports*



- Increase awareness of STEM in early learning
- Increase the number of STEM trainings offered
- Develop strategy for implementation
- Demonstrate connection between STEM and other state initiatives

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Strategy: *Implement a standardized STEM curriculum, dissemination plan and tracking mechanism*

- Identify a common framework/curriculum for STEM training for early learning professionals
- Offer annual STEM trainings to all early learning professionals enrolled in Early Achievers
- Increase availability of STEM trainings for early learning professionals
- Improve ability to track STEM training in the professional development registry (MERIT)

ACTION PLAN

Task	Due Date	Status	Expected Result
Develop STEM curriculum	12/31/2014	Complete	STEM Training Curriculum
Establish a state-wide delivery model	6/30/15	Complete	Increased STEM training
Strengthen data collection	6/30/15	In Progress	Report on number of STEM Trainings

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Assistance Needed:

- Expect young children to embrace STEM
- Appreciate the fundamental building blocks developed by early learning STEM training
- Thank you for the Early Start Act





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