

MEA Science Data – Gorham / State 08-09 / 09-10 / 10-11 / 11-12 / 12-13 / 13-14
 Percentage of Students Meets / Exceeds the Standards
 Updated: September 2014

	08-09	09-10	10-11	11-12	12-13	13-14	Change – 6 years
Grade 5	61%	71%	77%	79%	87%	82%	+21%
Grade 5 State	55%	63%	65%	63%	69%	63%	+8%
Grade 8	75%	77%	72%	77%	78%	87%	+12%
Grade 8 State	62%	71%	71%	72%	70%	73%	+11%
Grade 11	46%	46%	49%	52%	52%	55%	+9%
Grade 11 State	41%	41%	44%	45%	41%	44%	+3%

Data Observations:

- ❑ Grade 5 Science scores in Gorham have increased 21% in the last 6 years and are 19% higher than the state in 2013-14 in terms of proficiency toward meeting the standard.
- ❑ Grade 8 Science scores in Gorham have increased 12% over the last 6 years, and are 14% higher than the state in 2013-14 in terms of proficiency toward meeting the standard.
- ❑ Grade 11 Science scores in Gorham have increased 9% over the last 6 years with and are 11% higher than the state in 2013-14 in terms of proficiency toward meeting the standard.
- ❑ 2014-15 Science Assessments through MEA (Grades 5 & 8) and MHSA (Grade 11 SAT) will occur in May 2015.

Significant Actions in Science Work:

- ❑ Over the last 6 years, Science Curriculum oversight has been under the purview of our Gorham Curriculum and Assessment Council. Beginning with 2014-15, this will be under the direction of the Assistant Superintendent in charge of Curriculum, Instruction, and Assessment.
- ❑ Teachers are increasing using common grade level units for instruction and assessments to monitor student progress and growth, as well as informing their instruction.
- ❑ Teachers are talking about best practices in science instruction throughout all grade levels.
- ❑ Systemically, outside resources in terms of personnel and references have been brought in to talk about best practices in Science Instruction.
- ❑ Systemically, there has been a growing emphasis in terms of integration of technology throughout science instruction in every grade.
- ❑ The advent of the new STEM (Science, Technology, Engineering & Math) Framework in Science instruction is playing a crucial role in defining our Gorham Science Curriculum and Instruction. This is being accompanied by the implementation of the Next Generation Science Standards (formally adopted by December 2012).

