

Results of the 2015 Science Survey

Education – Core Content Areas – Accountability Program

The following is a summary of the surveys of local school systems that were conducted pursuant to House Bill 1227: *Education-Core Content Areas-Accountability Program*. The information was gathered in the fall of 2015. The 2015 administration of the science survey contained edited questions to better reflect and inform the legislatively mandated areas of focus regarding the progress being made on the implementation of the Next Generation Science Standards (NGSS) within the Local Education Agencies (LEAs): instructional time for science, availability and use of appropriate instructional materials aligned to the NGSS, instructional technology, and teacher certification.

The number of respondents to the surveys:

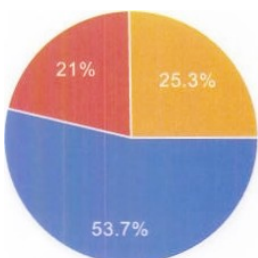
Grade Band	Teachers	Supervisors	Districts
Elementary	1536	7	
Middle	601	1	
High	723	3	
All Levels		23	
Total	2967	34	22

Summary:

The 2015 survey indicates differences among the NGSS aligned materials, professional development, and instructional time available at each grade band. Instructional time for science at the elementary level is dramatically lower and less consistent than instructional time in the middle school level and high school level. The data indicates that science professional development specifically aligned to the NGSS is in high demand across all grade bands. Middle School science teachers teaching out of their area of certification are more prevalent in many districts. However, this does remain a concern in several LEAs at the High School level also.

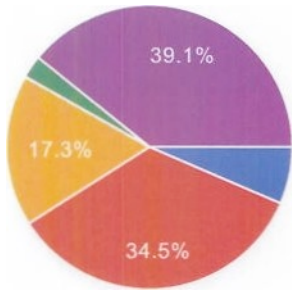
Summary

Grade Level Taught



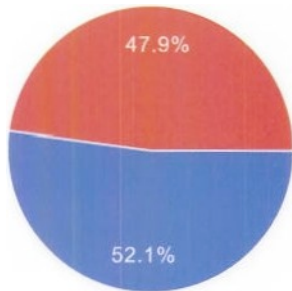
Elementary	1536	53.7%
Middle	601	21%
High	723	25.3%

How many hours of instructional time are spent in the elementary science classroom per week?



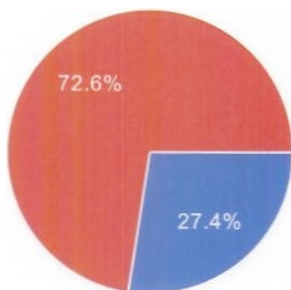
Less than one hour	191	6.5%
1-3 hours	1011	34.5%
4-6 hours	508	17.3%
7-9 hours	76	2.6%
Not Applicable	1148	39.1%

Do your students also have experiences with content aligned to the NGSS in a laboratory environment as part of their regular science class?



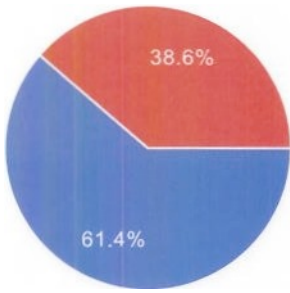
Yes	1525	52.1%
No	1403	47.9%

Do your students also have experiences with content aligned to the NGSS in a laboratory environment in addition to their regular science class?



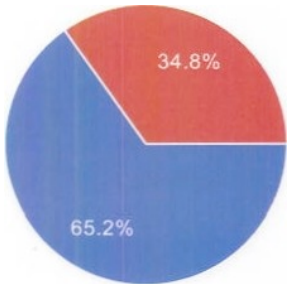
Yes	799	27.4%
No	2116	72.6%

Are appropriate resources aligned to the NGSS available for science instruction in classrooms?



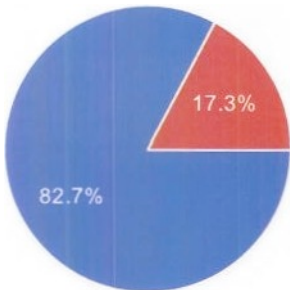
Yes	1777	61.4%
No	1119	38.6%

Are appropriate resources aligned to the NGSS utilized for instruction in science classrooms?



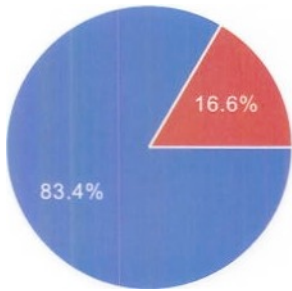
Yes	1892	65.2%
No	1009	34.8%

Is technology available for use in science instruction in classrooms?



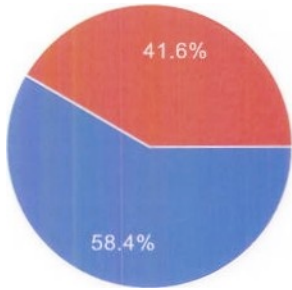
Yes	2426	82.7%
No	506	17.3%

Is available technology used for science instruction in classrooms?



Yes	2445	83.4%
No	487	16.6%

Is appropriate professional development aligned to the NGSS available to you?



Yes	1711	58.4%
No	1219	41.6%