

BBES District Strategic Plan
Action Plan #4: Years 2017-2022
Action Plan for Curriculum and Instruction

Primary Goal: Review the effectiveness of the current Mathematics Program

Secondary Goals/Objectives: Review and develop, as needed, a K-8 Mathematics Curriculum
 Implement the use of the Workshop Method for Mathematics
 Review the technology integration plan for instruction
 Develop a Professional Development Plan

<u>Strategies/Action Steps</u>	<u>Responsibilities</u>	<u>Resources (including budget impact, if any)</u>	<u>Timeline</u>
<ol style="list-style-type: none"> 1) Develop committees to identify Mathematics curriculum and desired outcomes. 2) Work with committees to write new curriculum to address changes in NJSLS. 3) Make recommendations for changes to curriculum. 4) Work with grade levels/subject areas to: <ol style="list-style-type: none"> a. Work with K-8 grade Math Teachers to implement mathematics curriculum linked to NJSLS b. Provide job-embedded, frequent professional development to further knowledge 5) Provide training of PARCC testing <ol style="list-style-type: none"> a. Work with 2-8 teachers to develop PARCC type assessment questions and incorporate these into their instruction b. Provide students opportunities to become familiar with PARCC assessment 6) Development of a curriculum website for communication of information and updates as it relates to implementation. 	<ol style="list-style-type: none"> 1) Development of committees 2) Mathematics curriculum writing 3) Identification of best practices – Mathematics workshop 4) Professional Development 5) Prepare for the PARCC testing 6) Pilot Mathematics Programs 7) Work to communicate to the community via websites and presentations <p>Suggested Sources: Supervisor of Curriculum, School Administration, Subject Area Committees, Grade Level Committees, Professional Development Committee</p>	School Staff Parent Involvement Sight Visits to Model Schools Pilot Programs Technology Applications and Technology Implications Classroom Materials Professional Development – time and financial resources	Phase 1 – Action Steps 1 – 9 June 2017 - December 2017 <ul style="list-style-type: none"> • June 2017, develop Mathematics committees (Curriculum Writing) • July, August, September 2017, develop new curriculum sequence and make recommendations for changes • August 2017, Curriculum Presentation to the Board of Education • September, October, November, December 2017, Work with K-8 grade Mathematics Teachers to implement new mathematics curriculum and provide professional development opportunities for staff • September, October, November, December 2017, identify small group of staff to pilot Mathematics Workshop • September, October,

<p>7) Provide presentations to the community to discuss changes to the curriculum.</p> <p>8) Work with select staff to pilot Mathematic Programs from McGraw Hill, Pearson, and Houghton Mifflin.</p> <p>9) Work with selected staff to pilot Mathematics Workshop.</p> <p>10) Investigate the materials, human capital, financial capital and programs needed to address possible changes.</p> <p>11) Make recommendations for programmatic changes.</p> <p>12) Set yearly review of curriculum to ensure mathematics sequence is consistently aligned to NJSL and assessments.</p> <p>13) Make recommendations for changes to curriculum.</p> <p>14) Work with grade levels/subject areas to:</p> <ol style="list-style-type: none"> a. Work with 5-8 grade Mathematics Teachers to implement selected program linked to NJSL b. Provide job-embedded, frequent professional development to begin development of knowledge in the Mathematics Workshop model <p>15) Provide training of PARCC testing</p> <ol style="list-style-type: none"> a. Work with 2-8 teachers to develop PARCC type assessment questions and incorporate these into their instruction <p>16) Provide presentations to the community to discuss changes to the curriculum.</p> <p>17) Set yearly review of curriculum to ensure reading sequence is consistently aligned to NJSL and Assessments.</p> <p>18) Make recommendations for changes to curriculum, if necessary.</p> <p>19) Work with grade levels/subject areas to:</p> <ol style="list-style-type: none"> a. Work with K-4 grade Teachers 			<p>November, December 2017, pilot Mathematics programs</p> <ul style="list-style-type: none"> • November 2017, Provide presentations to the community to discuss changes to the curriculum <p>Phase 2 – Action Steps 10 – 11 January 2018 – June 2018</p> <ul style="list-style-type: none"> • January – June 2018, Work with K-8 grade Mathematics Teachers to implement new mathematics curriculum and provide professional development opportunities for staff • January – June 2018, continue to pilot Mathematics Workshop • January – June 2018, pilot Mathematics programs • April and May 2018, Make recommendations for changes to the Mathematics program <p>Phase 3 – Action Steps 12 – 16 July 2018 – December 2018</p> <ul style="list-style-type: none"> • July and August 2018, review Mathematics curriculum to ensure alignment to NJSL • July and August 2018, make recommendations for changes • August 2018, Curriculum Presentation to the Board of Education • September, October, November, December 2018, Work with 5-8 grade Mathematics Teachers to implement selected mathematics program and Mathematics Workshop and provide professional
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<p>to implement selected mathematics program linked to NJSLs</p> <p>b. Provide job-embedded, frequent professional development to further develop of knowledge in the Mathematics Workshop model</p> <p>c. Work to observe staff members in Mathematics Workshop to develop consistent delivery</p> <p>20) Provide presentations to the community to discuss changes to the curriculum.</p> <p>21) Set yearly review of curriculum to ensure reading sequence is consistently aligned to NJSLs and assessments.</p> <p>22) Make recommendations for changes to curriculum, if necessary.</p>			<p>development opportunities for staff</p> <ul style="list-style-type: none"> November 2018, Provide presentation to the community to discuss changes to the mathematics curriculum <p>Phase 4 – Action Step 14 & 15 January 2019 – June 2019</p> <ul style="list-style-type: none"> January - June 2019, Work with 5-8 grade Mathematics Teachers to implement selected mathematics program and Mathematics Workshop and provide professional development opportunities for staff <p>Phase 5 – Action Steps 17 – 20 July 2019 – December 2019</p> <ul style="list-style-type: none"> July and August 2019, review Mathematics curriculum to ensure alignment to NJSLs July, August, September 2019, make recommendations for changes, if necessary August 2019, Curriculum Presentation to the Board of Education September, October, November, December 2019, Work with K-4 grade teachers to implement selected mathematics program and Mathematics Workshop and provide professional development opportunities for staff <p>Phase 6 – Action Step 19 January 2020 – June 2020</p>
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Implications for Professional Development – All staff must have working knowledge of selected Mathematics Program and Mathematics Workshop, and demonstration of this will be assessed through development of lesson plans and through teacher evaluation. All staff must have working knowledge of programmatic changes and this will be assessed during teacher evaluations and through the use of Professional Growth Plans.

Implications for Stakeholders – All staff must be invited into this process and communication through each phase is mandatory. All community members must be made aware of the changes in proactive presentations. A minimum of two presentations per year and development of a website for communication of information and updates as it relates to implementation.

Review Each Phase

- Phase 1 – Committees are developed and new curriculum is written to address changes in the NJSLs. Professional development focuses on changes in the curriculum. Pilot teachers are selected to run pilots of Pearson, McGraw Hill, and Houghton Mifflin. Pilot teachers are selected to run Mathematics Workshop.
- Phase 2 – Continuation of implementation of new curriculum and pilots of Mathematics Workshop and selected mathematics programs. Professional development continues. Selection of pilot mathematics program.
- Phase 3 – Beginning of 5-8 implementation of new Mathematics Program and Mathematics Workshop. Professional development focus on aspects of the new mathematics program.
- Phase 4 – Continuation of implementation of new 5-8 Mathematics Program. Professional development continues for 5-8 teachers on new program and Mathematics Workshop.
- Phase 5 – Beginning of K-4 implementation of new Mathematics Program and Mathematics Workshop. Professional development focus on aspects of the new mathematics program.
- Phase 6 – Continuation of implementation of new K-4 Mathematics Program. Professional development continues for 5-8 teachers on new program and Mathematics Workshop.

7) Phase 7 – Provide professional development where needed. Yearly review of curriculum.