



# STEM 2.0 School Designation (Elementary School)

Criteria	1 Point	2 Points	3 Points
<b>1. STEM-School Curriculum Integration</b> <i>[Integration]</i>	<ul style="list-style-type: none"> <li>Evidence of STEM curriculum integration in at least <b>one grade-level</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Evidence of STEM curriculum integration in at least <b>three grade-levels</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Evidence of STEM curriculum integration at <b>school-wide level</b>.</li> </ul>
Proof or artifacts to quantify STEM efforts: <i>Lesson plans, student artifacts, department goals, school showcase, school STEM goals, pictures and videos</i>			
<b>2. STEM-Science Offerings</b> <i>[Operation]</i>	<ul style="list-style-type: none"> <li>A total of <b>two</b> Science showcases of student experimentation and engineering design utilizing Essential Labs, CPALM STEM MEA's <b>and other</b> inquiry-based activities.</li> </ul>	<ul style="list-style-type: none"> <li>A total of <b>three</b> Science showcases of student experimentation and engineering designs utilizing Essential Labs, CPALM STEM MEA's <b>and other</b> inquiry-based activities</li> </ul>	<ul style="list-style-type: none"> <li>A total of <b>four</b> Science showcases of student experimentation and engineering designs utilizing Essential Labs, CPALM STEM MEA's <b>and other</b> inquiry-based activities.</li> </ul>
Proof or artifacts to quantify STEM efforts: <i>Agendas and sign-in sheets, pictures, videos, media releases or articles, invitations to community stakeholders</i>			
<b>3. STEM-Mathematics Offerings</b> <i>[Operation]</i>	<ul style="list-style-type: none"> <li>A total of <b>two</b> Problem Solving Showcases inclusive of project-based learning, utilizing CPALMS' STEM MEA Lessons.</li> </ul>	<ul style="list-style-type: none"> <li>A total of <b>three</b> Problem Solving Showcases inclusive of project-based learning, utilizing CPALMS' STEM MEA Lessons.</li> </ul>	<ul style="list-style-type: none"> <li>A total of <b>four</b> Problem Solving Showcases inclusive of project-based learning, utilizing CPALMS' STEM MEA Lessons.</li> </ul>
Proof or artifacts to quantify STEM efforts: <i>Master Schedule, agendas and sign-in sheets, pictures, videos, media releases or articles, invitations to community stakeholders</i>			
<b>4. STEM Competitions</b> <i>[Operation]</i>	<ul style="list-style-type: none"> <li>Minimum <b>four</b> Science Fair project board submission; SECME essay, banner, Mathematics Challenge <b>and two</b> other <b>STEM-focused</b> events.</li> </ul>	<ul style="list-style-type: none"> <li>Minimum <b>four</b> Science Fair project board submissions; SECME essay, banner, Mathematics Challenge <b>and three</b> other <b>STEM-focused</b> events.</li> </ul>	<ul style="list-style-type: none"> <li>Minimum <b>four</b> Science Fair project board submissions; SECME essay, banner, Mathematics Challenge <b>and four</b> other <b>STEM-focused</b> events.</li> </ul>
Artifacts that quantify STEAM efforts: <i>Student projects and/or score in DCCTM Math Bowl, Dream in Green, Fairchild Challenge, Middlementary Math Bonanza, Robotics Competitions, Science Fair <a href="http://science.dadeschools.net/scienceFair/default.html">http://science.dadeschools.net/scienceFair/default.html</a> and SECME <a href="http://science.dadeschools.net/secme/default.html">http://science.dadeschools.net/secme/default.html</a></i>			



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<b>5. Teacher Professional Development [Operation]</b>	<ul style="list-style-type: none"> <li>40% of STEM teachers participate in at least <b>one</b> STEM-focused professional development <b>and</b> there is clear evidence of correlation and its implementation in classroom instruction.</li> </ul>	<ul style="list-style-type: none"> <li>50% of STEM teachers participate in at least <b>one</b> STEM-focused professional development <b>and</b> there is clear evidence of correlation and its implementation in classroom instruction.</li> </ul>	<ul style="list-style-type: none"> <li>60% of STEM teachers participate in at least <b>one</b> STEM-focused professional development <b>and</b> there is clear evidence of correlation and its implementation in classroom instruction.</li> </ul>
Proof or artifacts to quantify STEM efforts: <i>MyLearningPlan Documentation, "Professional Development Metrics Form," agendas, sign-in sheets, lesson plans, student work/artifacts, pictures or videos of teachers incorporating PD information and content in the classroom</i>			
<b>6. Partnerships [Operation]</b>	<ul style="list-style-type: none"> <li>At least <b>two</b> business, community, or post-secondary partnerships are involved in an <b>on-going relationship (at least four interactions)</b> with the STEM instructional program <b>and</b> are directly connected to in-class learning</li> </ul>	<ul style="list-style-type: none"> <li>At least <b>three</b> business, community, or post-secondary partnerships are involved in an <b>on-going relationship (at least four interactions)</b> with the STEM instructional program <b>and</b> are directly connected to in-class learning.</li> </ul>	<ul style="list-style-type: none"> <li>At least <b>four</b> business, community, or post-secondary partnerships are involved in an <b>on-going relationship (at least four interactions)</b> with the STEM instructional program <b>and</b> are directly connected to in-class learning.</li> </ul>
Proof or artifacts to quantify STEM efforts: <i>Agendas, sign-in sheets, pictures, videos, EESAC (agenda and minutes) and parental involvement activities</i>			
<b>7. STEM-Science Equity: Minority and economically disadvantaged (free and reduced-price lunch) [Academic]</b>	<ul style="list-style-type: none"> <li>Increase of <b>3 to 5 percentage points</b> scoring at Achievement Level 3 or higher on the State Science Assessment.</li> <li><b>OR</b> at least <b>40%</b> of students at Achievement Level 3 or higher on the State Science Assessment.</li> </ul>	<ul style="list-style-type: none"> <li>Increase of <b>6 to 11 percentage points</b> scoring at Achievement Level 3 or higher on the State Science Assessment.</li> <li><b>OR</b> at least <b>60%</b> of students at Achievement Level 3 or higher on the State Science Assessment.</li> </ul>	<ul style="list-style-type: none"> <li>Increase of <b>12 or more percentage points</b> scoring at Achievement Level 3 or higher on the State Science Assessment.</li> <li><b>OR</b> at least <b>80%</b> of students at Achievement Level 3 or higher on the State Science Assessment.</li> </ul>
Proof or artifacts to quantify STEM efforts: <i>Data Collected by the STEM School Designation Office</i>			
<b>8. STEM-Mathematics Equity: Minority and economically disadvantaged (free and reduced-price lunch) [Academic]</b>	<ul style="list-style-type: none"> <li>Increase of <b>3 to 4 percentage points</b> scoring at Achievement Level 3 or higher on the State Mathematics Assessment.</li> <li><b>OR</b> at least <b>40%</b> of students at Achievement Level 3 or higher on the State Mathematics Assessment.</li> </ul>	<ul style="list-style-type: none"> <li>Increase of <b>5 to 7 percentage points</b> scoring at Achievement Level 3 or higher on the State Mathematics Assessment.</li> <li><b>OR</b> at least <b>60%</b> of students at Achievement Level 3 or higher on the State Mathematics Assessment.</li> </ul>	<ul style="list-style-type: none"> <li>Increase of <b>8 or more percentage points</b> scoring at Achievement Level 3 or higher on the State Mathematics Assessment.</li> <li><b>OR</b> at least <b>80%</b> of students at Achievement Level 3 or higher on the State Mathematics Assessment.</li> </ul>
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<b>9. Science Accountability [Academic]</b>	<ul style="list-style-type: none"> <li>Increase of <b>3 to 5 percentage points</b> scoring at Achievement Level <b>3</b> or higher on the State Science Assessment.</li> <li><b>OR</b> at least <b>40%</b> of students at Achievement Level <b>3</b> or higher on the State Science Assessment.</li> </ul>	<ul style="list-style-type: none"> <li>Increase of <b>6 to 11 percentage points</b> scoring at Achievement Level <b>3</b> or higher on the State Science Assessment.</li> <li><b>OR</b> at least <b>60%</b> of students at Achievement Level <b>3</b> or higher on the State Science Assessment.</li> </ul>	<ul style="list-style-type: none"> <li>Increase of <b>12 or more percentage points</b> scoring at Achievement Level <b>3</b> or higher on the State Science Assessment.</li> <li><b>OR</b> at least <b>80%</b> of students at Achievement Level <b>3</b> or higher on the State Science Assessment.</li> </ul>
<b>Proof or artifacts to quantify STEM efforts: Data Collected by the STEM School Designation Office</b>			
<b>10. Mathematics Accountability [Academic]</b>	<ul style="list-style-type: none"> <li>Increase of <b>3 to 4 percentage points</b> scoring at Achievement Level <b>3</b> or higher on the State Mathematics Assessment.</li> <li><b>OR</b> at least <b>40%</b> of students at Achievement Level <b>3</b> or higher on the State Mathematics Assessment.</li> </ul>	<ul style="list-style-type: none"> <li>Increase of <b>5 to 7 percentage points</b> scoring at Achievement Level <b>3</b> or higher on the State Mathematics Assessment.</li> <li><b>OR</b> at least <b>60%</b> of students at Achievement Level <b>3</b> or higher on the State Mathematics Assessment.</li> </ul>	<ul style="list-style-type: none"> <li>Increase of <b>8 or more percentage points</b> scoring at Achievement Level <b>3</b> or higher on the State Mathematics Assessment.</li> <li><b>OR</b> at least <b>80%</b> of students at Achievement Level <b>3</b> or higher on the State Mathematics Assessment.</li> </ul>
<b>Proof or artifacts to quantify STEM efforts: Data Collected by the STEM School Designation Office</b>			

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