

4 th Cycle MSIP	Proposed Resource Standards 2009	Notes/Supporting Research/Successful Implementation/Recommendations MSIP 5
<p>Resource Standards</p>		<p>Please utilize this column to provide recommendations for additions, deletions or changes to the standard. Proposed changes must be supported by research and where appropriate by identifying schools or school districts successfully implementing the proposed changes.</p>
<p>Programs of Studies</p>		
<p>Standard 1.1 Elementary (typically self-contained) - Each elementary student receives regular instruction in reading, language arts, mathematics, science, social studies, comprehensive health, art, music, and physical education. In K-8 elementary schools, students will have access to a total of four exploratory classes.</p> <ol style="list-style-type: none"> 1. Each elementary student will receive regular instruction in reading, language arts, mathematics, science, social studies, comprehensive health (Including tobacco, alcohol and other drug prevention; medically accurate HIV/AIDS and STI prevention education; nutrition; physical activity; injury prevention and safety; anti-bullying; and violence prevention), and career awareness education. Instruction in each of the core areas will reflect the Show-Me Standards. 2. Each elementary student will receive instruction in art, music, and physical education for a minimum of 50 minutes in each area each week (25 minutes in each area for half-day kindergarten classes). These classes shall be taught by teachers certificated in these fields. 3. If the district is a K-7 or K-8 elementary district, the following must also be addressed: <ol style="list-style-type: none"> a. Beginning no later than seventh grade, regular instruction in the United States and Missouri Constitutions, and American History 	<p>Standard 1.1(28) Elementary (typically self-contained) - Each elementary student receives regular instruction in reading, language arts, mathematics, science, social studies, comprehensive health, art, music, and physical education. In K-8 elementary schools, students will have access to a total of four exploratory classes.</p> <ol style="list-style-type: none"> 1. Each elementary student will receive regular instruction in reading, language arts, mathematics, science, social studies, comprehensive health (Including tobacco, alcohol and other drug prevention; medically accurate HIV/AIDS and STI prevention education; nutrition; physical activity; injury prevention and safety; anti-bullying; and violence prevention), and career awareness education. Instruction in each of the core areas will reflect the Show-Me Standards. 2. Each elementary student will receive instruction in art, music, and physical education for a minimum of 50 minutes in each area each week (25 minutes in each area for half-day kindergarten classes). These classes shall be taught by teachers certificated in these fields. 3. If the district is a K-7 or K-8 elementary district, the following must also be addressed: <ol style="list-style-type: none"> a. Beginning no later than seventh grade, regular instruction in the United States and Missouri Constitutions, and American History and Institutions will be provided (as required by 	

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<p>and Institutions will be provided (as required by Section 170.011, RSMo).</p> <p>b. Students in grades 7-8 will have access to a total of four exploratory classes (e.g., speech, agriculture, family and consumer sciences, industrial technology, foreign language, computer literacy, developmental reading). Each class is taught for a minimum of 1,200 minutes each year.</p>	<p>Section 170.011, RSMo).</p> <p>b. Students in grades 7-8 will have access to a total of four exploratory classes (e.g., speech, agriculture, family and consumer sciences, industrial technology, foreign language, computer literacy, developmental reading). Each class is taught for a minimum of 1,200 minutes each year.</p>	

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<p>Standard 1.2 <u>Junior High/Middle School (typically departmentalized)</u> - Each junior high/middle school student will receive regular instruction in language arts, mathematics, science, social studies, career education, health, and physical education and will have access to art and music plus four exploratory classes. Students in grades 7-8 will have regular instruction in United States and Missouri Constitutions and American History and Institutions.</p> <ol style="list-style-type: none"> 1. Language arts, mathematics, science, and social studies are scheduled and taught to all students for at least 900 minutes each week in the aggregate (or 1,800 minutes every two weeks). 2. Physical education is scheduled and taught to all students for a minimum of 3,000 minutes each year and health (including tobacco, alcohol and other drug prevention; medically accurate HIV/AIDS and STI prevention education; nutrition; physical activity; injury prevention and safety; bullying and violence prevention) and safety education is scheduled and taught to all students for a minimum of 1,500 minutes each year. 3. Art and music are scheduled and taught so that all students have access to each for a minimum of 1,500 minutes each year. 4. Students in grades 7-8 will have access to a total of four exploratory classes (e.g., speech, agriculture, family and consumer sciences, industrial technology, foreign language, computer literacy, developmental reading). Each class is taught for a minimum of 1,500 minutes each year. 5. Beginning no later than seventh grade, regular instruction in the United States and Missouri Constitutions, and American History and Institutions will be provided (as required by Section 170.011, RSMo). 6. Beginning no later than eighth grade, instruction in algebraic concepts and logic will be available to all students. 	<p>Standard 1.2 (29) Junior High/Middle School (typically departmentalized) - Each junior high/middle school student will receive regular instruction in language arts, mathematics, science, social studies, career education, health, and physical education and will have access to art and music plus four exploratory classes. Students in grades 7-8 will have regular instruction in United States and Missouri Constitutions and American History and Institutions.</p> <ol style="list-style-type: none"> 1. Language arts, mathematics, science, and social studies are scheduled and taught to all students for at least 900 minutes each week in the aggregate (or 1,800 minutes every two weeks). 2. Physical education is scheduled and taught to all students for a minimum of 3,000 minutes each year and health (including tobacco, alcohol and other drug prevention; medically accurate HIV/AIDS and STI prevention education; nutrition; physical activity; injury prevention and safety; bullying and violence prevention) and safety education is scheduled and taught to all students for a minimum of 1,500 minutes each year. 3. Art and music are scheduled and taught so that all students have access to each for a minimum of 1,500 minutes each year. 4. Students in grades 7-8 will have access to a total of four exploratory classes (e.g., speech, agriculture, family and consumer sciences, industrial technology, foreign language, computer literacy, developmental reading). Each class is taught for a minimum of 1,500 minutes each year. 5. Beginning no later than seventh grade, regular instruction in the United States and Missouri Constitutions, and American History and Institutions will be provided (as required by Section 170.011, RSMo). 6. Beginning no later than eighth grade, instruction in algebraic concepts and logic will be available to all students. 	

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<p>Standard 1.3 High School - Each high school has a current minimum offering of at least 40.5 units of credit, with sufficient sections in each course to meet the needs of all students in grades 9-12 and the state high school graduation requirements. These courses are distributed as follows:</p> <table border="1"> <thead> <tr> <th></th> <th>MINIMUM STANDARD</th> <th>DESIRABLE STANDARD</th> </tr> </thead> <tbody> <tr> <td>English/Language Arts/Communication</td> <td>6.0</td> <td>10.0</td> </tr> <tr> <td>Foreign Language (Must include two units of one language.)</td> <td>2.0</td> <td>4.0</td> </tr> <tr> <td>Social Studies (Minimum must include one unit each of American History and World History, 1/2 unit or equivalent of American Government. Regular instruction in U.S. and Missouri Constitutions, as well as American History and Institutions, must be provided, as required by Section 170.011, RSMo. 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Desirable must include Algebra I and three units from the above list.)	4.0	6.0	Science (Must include one unit each of Biology, Chemistry, and Physics.)	4.0	6.0	Fine Arts (Must include both Art and Music.)	2.0	6.0	Career Education (Must include a broad range of DESE-approved offerings that support or lead to employment or related post-secondary education based on students' needs and interests in Agricultural Education, Marketing Education, Family and Consumer Sciences Education, Business Education, Industrial and Engineering Technology, and Health Sciences. Four career education program areas must be represented each year or the district must demonstrate a pattern of student participation in four or more career education program areas over the past two years.)	12.0	20.0	Physical Education	1.0	2.0	<p>Standard 1.3(30) High School - Each high school has a current minimum offering of at least 42.0 units of credit, with sufficient sections in each course to meet the needs of all students in grades 9-12 and the state high school graduation requirements. These courses are distributed as follows:</p> <table border="1"> <thead> <tr> <th></th> <th>MINIMUM STANDARD</th> <th>DESIRABLE STANDARD</th> </tr> </thead> <tbody> <tr> <td>English/Language Arts/Communication</td> <td>6.0</td> <td>10.0</td> </tr> <tr> <td>Foreign Language (Must include two units of one language.)</td> <td>2.0</td> <td>4.0</td> </tr> <tr> <td>Social Studies (Minimum must include one unit each of American History and World History, 1/2 unit or equivalent of American Government. 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Desirable must include Algebra I and three units from the above list.)	4.0 5.0	6.0	Science (Must include one unit each of Biology, Chemistry, and Physics.)	4.0	6.0	Fine Arts (Must include both Art and Music.)	2.0	6.0	Career Education (Must include a broad range of DESE-approved offerings that support or lead to employment or related post-secondary education based on students' needs and interests in Agricultural Education, Marketing Education, Family and Consumer Sciences Education, Business Education, Industrial and Engineering Technology, and Health Sciences. Four career education program areas must be represented each year or the district must demonstrate a pattern of student participation in four or more career education program areas over the past two years.)	12.0	20.0	Physical Education	1.0	2.0	<p>Changes between 4th Cycle and MSIP 5 standards reflect new graduation requirements for the class of 2010.</p>
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<p>Health 0.5 1.0 (e.g. tobacco, alcohol and other drug prevention; HIV/AIDS and STI prevention education; nutrition; physical activity; injury prevention and safety; bullying and violence prevention)</p> <p>Practical Arts 4.0 8.0 (Includes noncareer education courses which provide practical experiences for students (e.g., Driver Education, Computer Education, Computer Literacy) and career education credits exceeding the minimum standard of 12.)</p> <p>Personal Finance 0.5</p> <p>TOTAL 40.5 69.0</p>	<p>Health 0.5 1.0 (e.g. tobacco, alcohol and other drug prevention; HIV/AIDS and STI prevention education; nutrition; physical activity; injury prevention and safety; bullying and violence prevention)</p> <p>Practical Arts 4.0 8.0 (Includes noncareer education courses which provide practical experiences for students (e.g., Driver Education, Computer Education, Computer Literacy) and career education credits exceeding the minimum standard of 12.)</p> <p>Personal Finance 0.5</p> <p>TOTAL 40.5 42.0 69.0</p>		
<p>Options:</p> <ol style="list-style-type: none"> Districts may meet any course requirement by providing opportunities for all students to attend a high school and/or area career center school in a neighboring district or by participating in other approved delivery systems (i.e., correspondence courses, satellite classes, virtual courses). In three-year high schools (grades 10-12), additional curriculum offerings at grade nine may be added to meet curriculum requirements. Two advanced courses in any subject area may be offered on an alternating-year basis to meet content/subject area requirements. Alternating-year course credits are counted to meet individual subject area credit requirements, but are not counted toward meeting the overall total of 40.5 credits. For purposes of counting credit under this standard, repetitive classes such as Band, Chorus, Glee Club, and Physical Education (unless clearly differentiated) will count as one (1) unit. 	<p>Options:</p> <ol style="list-style-type: none"> Districts may meet any course requirement by providing opportunities for all students to attend a high school and/or area career center school in a neighboring district or by participating in other approved delivery systems (i.e., correspondence courses, satellite classes, virtual courses). In three-year high schools (grades 10-12), additional curriculum offerings at grade nine may be added to meet curriculum requirements. Two advanced courses in any subject area may be offered on an alternating-year basis to meet content/subject area requirements. Alternating-year course credits are counted to meet individual subject area credit requirements, but are not counted toward meeting the overall total of 42 credits. For purposes of counting credit under this standard, repetitive classes such as Band, Chorus, Glee Club, and Physical Education (unless clearly differentiated) will count as one (1) unit. 		

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Class Size/Assigned Enrollments																																
<p>Standard 2.1 <u>Class Size and Assigned Enrollments</u> - Enrollments will be consistent with both class-size standards and total enrollment requirements. (Class sizes in all categorically funded programs must meet the class-size standards for that program.)</p> <p>1. Student enrollment in individual classes will be consistent with the following guidelines:</p>	<p>Standard 2.1 (31) <u>Class Size and Assigned Enrollments</u> - Enrollments will be consistent with both class-size standards and total enrollment requirements. (Class sizes in all categorically funded programs must meet the class-size standards for that program.)</p> <p>1. Student enrollment in individual classes will be consistent with the following guidelines:</p>																															
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<p>2. Full-time elementary art, music, physical education, and computer teaching specialists shall serve no more than 750 students per week.</p>	<p>2. Full-time elementary art, music, physical education, and computer teaching specialists shall serve no more than 750 students per week.</p>																															
<p>Options:</p> <p>1. Student enrollment in a classroom may increase by as many as ten (10) students for any period that a teacher assistant assists the classroom teacher full time. A teacher with a half-time teacher assistant may be assigned as many as five (5) additional students. (Aides provided with Title I and special education funds are provided on a needs-specific basis and cannot be used to increase class enrollment.) <u>Teacher assistants</u> used to increase class size must have a minimum of sixty (60) semester hours of college credit from an accredited institution of higher education and a general understanding of the objectives of public education OR must have served as a teacher assistant in a public school for at least two (2) years, with the most recent year being the 1998-1999 school year, and annually attend at least fifteen (15) clock hours of professional development. <u>Teacher assistants without a baccalaureate degree</u> and appropriate certification may assist</p>	<p>Options:</p> <p>1. Student enrollment in a classroom may increase by as many as ten (10) students for any period that a teacher assistant assists the classroom teacher full time. A teacher with a half-time teacher assistant may be assigned as many as five (5) additional students. (Aides provided with Title I and special education funds are provided on a needs-specific basis and cannot be used to increase class enrollment.) <u>Teacher assistants</u> used to increase class size must have a minimum of sixty (60) semester hours of college credit from an accredited institution of higher education and a general understanding of the objectives of public education OR must have served as a teacher assistant in a public school for at least two (2) years, with the most recent year being the 1998-1999 school year, and annually attend at least fifteen (15) clock hours of professional development. <u>Teacher assistants without a baccalaureate degree</u> and appropriate certification may assist in activities assigned by and</p>																															

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<p>in activities assigned by and under the direct control of the classroom teacher. <u>Teacher assistants with a baccalaureate degree</u> and an appropriate teaching certificate may initiate instruction and work independently. <u>Teacher aides</u> not used to increase class size must have a minimum of a high school diploma (or GED certificate) and competency in the duties to be performed. (See the Federal Programs Manual for guidelines on the use of aides and clerks for Title I.) School districts are encouraged to provide additional professional development for their teacher assistants and teacher aides to optimize the acquisition and application of skills. Professional development activities should be in addition to general orientation workshops provided by the district for support staff.</p> <ol style="list-style-type: none"> 2. <u>Elementary school classes</u> may enroll students from two (2) consecutive grade levels (example: grades one and two, grades two and three). Total enrollment in such classes shall not exceed the class-size standards listed above for the lowest grade included in the combination. 3. <u>High school beginning and advanced levels of a subject in the same class</u> may be combined (example: Spanish I and Spanish II). Total combined enrollment in each class shall not exceed fifteen (15) students. 4. <u>High school advanced levels of a subject in the same class</u> may also be combined (example Spanish III and Spanish IV). Total combined enrollment in such classes shall not exceed twenty (20) students. 5. Enrollment in <u>performing-arts classes</u> may exceed regular class-size limits if adequate supervision and facilities are provided. 6. <u>High school physical education classes</u> may enroll up to forty-five (45) students. 	<p>under the direct control of the classroom teacher. <u>Teacher assistants with a baccalaureate degree</u> and an appropriate teaching certificate may initiate instruction and work independently. <u>Teacher aides</u> not used to increase class size must have a minimum of a high school diploma (or GED certificate) and competency in the duties to be performed. (See the Federal Programs Manual for guidelines on the use of aides and clerks for Title I.) School districts are encouraged to provide additional professional development for their teacher assistants and teacher aides to optimize the acquisition and application of skills. Professional development activities should be in addition to general orientation workshops provided by the district for support staff.</p> <ol style="list-style-type: none"> 2. <u>Elementary school classes</u> may enroll students from two (2) consecutive grade levels (example: grades one and two, grades two and three). Total enrollment in such classes shall not exceed the class-size standards listed above for the lowest grade included in the combination. 3. <u>High school beginning and advanced levels of a subject in the same class</u> may be combined (example: Spanish I and Spanish II). Total combined enrollment in each class shall not exceed fifteen (15) students. 4. <u>High school advanced levels of a subject in the same class</u> may also be combined (example Spanish III and Spanish IV). Total combined enrollment in such classes shall not exceed twenty (20) students. 5. Enrollment in <u>performing-arts classes</u> may exceed regular class-size limits if adequate supervision and facilities are provided. 6. <u>High school physical education classes</u> may enroll up to forty-five (45) students. 	

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<p>Options:</p> <ol style="list-style-type: none"> For a period of one (1) year, any two (2) adjacent districts, that are classified "accredited," may upon prior approval from DESE share a superintendent who possesses a valid Missouri superintendent's certificate. Any two (2) such districts which wish to share a superintendent for more than one (1) year, shall obtain prior approval from the State Board of Education. A superintendent of schools in a district which employs twenty-five (25) FTE or fewer certificated staff members and who holds a valid Missouri superintendent's certificate may serve as the secondary principal, the elementary principal, or both, regardless of certification as a principal, in addition to serving as the chief administrative officer of the district. Elementary districts (K-8) with over twenty-five (25) FTE certificated staff members must employ a certificated superintendent as chief administrative officer. Elementary districts with twenty-five (25) FTE or fewer certificated staff members may employ either a certificated superintendent or certificated elementary principal as chief administrative officer. 	<p>Options:</p> <ol style="list-style-type: none"> For a period of one (1) year, any two (2) adjacent districts, that are classified "accredited," may upon prior approval from DESE share a superintendent who possesses a valid Missouri superintendent's certificate. Any two (2) such districts which wish to share a superintendent for more than one (1) year, shall obtain prior approval from the State Board of Education. A superintendent of schools in a district which employs twenty-five (25) FTE or fewer certificated staff members and who holds a valid Missouri superintendent's certificate may serve as the secondary principal, the elementary principal, or both, regardless of certification as a principal, in addition to serving as the chief administrative officer of the district. Elementary districts (K-8) with over twenty-five (25) FTE certificated staff members must employ a certificated superintendent as chief administrative officer. Elementary districts with twenty-five (25) FTE or fewer certificated staff members may employ either a certificated superintendent or certificated elementary principal as chief administrative officer. 	
<p>Standard 4.2 <u>Associates/Assistants to the Superintendent</u> - Associates/assistants to the superintendent in the areas of curriculum and instruction must have, as a minimum, a master's degree and a valid Missouri teaching certificate. All other associates/assistants to the superintendent should have appropriate training in their field.</p>	<p>Standard 4.2 (35) <u>Associates/Assistants to the Superintendent</u> - Associates/assistants to the superintendent in the areas of curriculum and instruction must have, as a minimum, a master's degree and a valid Missouri teaching certificate. All other associates/assistants to the superintendent should have appropriate training in their field.</p>	

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4 th Cycle MSIP	Proposed Resource Standards 2009	Notes/Supporting Research/Successful Implementation/Recommendations MSIP 5
Certification/Planning		
<p>Standard 5.1 <u>Teacher Certification</u> - All administrators and teachers must be appropriately certificated for their assignments in accordance with the guidelines contained within the Core Data Manual (Exhibit 10: "Course Code/Certificate").</p>	<p>Standard 5.1 (37) Teacher Certification - All administrators and teachers must be appropriately certificated for their assignments in accordance with the guidelines contained within the Core Data Manual (Exhibit 10: "Course Code/Certificate").</p>	
<p>Standard 5.2 <u>Planning Time</u> - Each full-time classroom teacher, including kindergarten teachers, shall have a minimum of two hundred fifty (250) minutes of scheduled planning time each school week. It is desirable to have fifty (50) minutes of planning time each day. Planning time is calculated between the official start and close of the school day and does not include travel time, lunch time, or time before or after school. (Planning time is not required for administrators, counselors, or librarians.)</p>	<p>Standard 5.2 (38) Planning Time - Each full-time classroom teacher, including kindergarten teachers, shall have a minimum of two hundred fifty (250) minutes of scheduled planning time each school week. It is desirable to have fifty (50) minutes of planning time each day. Planning time is calculated between the official start and close of the school day and does not include travel time, lunch time, or time before or after school. (Planning time is not required for administrators, counselors, or librarians.)</p>	
Instructional Resources		
	<p>(39) Electronic Instructional Resources - Electronic instructional resources and equipment that support and extend the curriculum are readily available to instructional staff and students.</p>	<p>This standard was previously included in the 4th Cycle Process Standards - 6.4 Instructional resources and equipment that support and extend the curriculum are readily available to teachers and students.</p>