



Special School District

Curriculum

Career and Technical Education

Program Evaluation

Michael B. Rogg, Chair

Board Approved: February 22, 2011



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Executive Summary

As required by the Missouri School Improvement Plan (MSIP) standards, school districts must evaluate Curriculum biennially. The focus of the present report is: *Does the SSD curriculum for each content area meet requirements of the Missouri School Improvement Program?* Based on stakeholder review of the data, strengths, concerns and recommendations are noted.

Strengths

- Based on the curriculum review, all academic and career technical courses contain the required elements of: Rationale, Course Description, Graduate Goals, Learner Objectives, Alignment to Show-Me-Standards, Instructional Activities, Assessments, Board Approval, and Articulation.
- Content and processes related to Equity, Technology, Research, and Workplace Readiness are present throughout the CTE and academic curricula.
- Academic curricula are aligned to Grade Level Expectations (GLE) and Course Level Expectations (CLE).
- CTE curricula are aligned to industry-based standards and are reviewed annually by the advisory committee for each program.
- Curriculum, lesson plans and assessments are written into the SIS Electronic Alignment Tool.

Concerns

- Teachers will need to be trained on the new Common Core State Standards.
- Curriculum revisions will be required to meet the new Common Core State Standards.

Recommendations

- Lesson plans need to be continually updated as instructional practices and curriculum changes are instituted.



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Program Evaluation Question

Does the SSD curriculum for each content area meet requirements of the Missouri School Improvement Program?

I. Program/Service Information

1. Name of Program or Services: Curriculum

2. Personnel Responsible for Evaluation and Program: Michael Rogg

3. Demographic Description of Program:

Location(s): North Technical High School, South Technical High School

Participants: Participants in the curriculum program consist of parents, students, teachers, staff, program advisors, and administrators. The review of curriculum guides was conducted by SSD administrators, department chairs and the Education Technology Facilitator.

Length of program/service: Current curriculum guides were approved by the SSD Board of Education within the last five years.

4. Date of Evaluation (Year/Duration):

January-February 2011

5. Goal/Objective of Program/Services:

a. The district curriculum will guide the teaching/learning process and ensure that each student has the opportunity to learn and demonstrate mastery of objectives mandated by the state and of objectives developed by the district.

b. The district curriculum will guide the teaching/learning process to ensure that district graduates possess the skills and knowledge to be successful after graduation.

6. Brief description of relationship between program goals, CSIP and MSIP Standards:

MSIP Standard 6.1 requires that that school districts implement written curriculum for all of its instructional programs. MSIP Standard 8.1 requires that school districts evaluate their curriculum at least biennially. CSIP Goal I: Student Performance, states that districts are to develop and enhance quality educational/instructional programs to improve performance and enable students to meet personal, academic and career goals. This is accomplished through the following steps:

1. Develop and implement multi-year curriculum review and revision cycle in technical schools and sites.

2. Review current curriculum in technical schools and sites to meet state standards.



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3. Align curriculum with state standards in technical schools and sites to ensure alignment with Show-Me Standards, Grade Level Expectation/ Course Level Expectation (GLE/CLE) and End of Course Examinations.

II. Evaluation Criteria for Program

MSIP Standard 6.1 Curriculum Indicators
Curriculum Guides/Lesson Plans

III. Description of Stakeholders Engagement in Program Evaluation:

The curriculum guide review committee consisted of SSD staff with knowledge of the MSIP Standard 6.1 curriculum requirements. Committee members and their respective roles are reported below.

| Name | Role |
|---------------------|---|
| Michael Rogg | Director of Technical Education |
| Shane Trafton | Administrator, Curriculum & Instruction |
| Mary P. Braun | Facilitator, Curriculum & Instruction |
| Dave Baker | Principal, South Technical High School |
| Mike Powers | Principal, North Technical High School |
| George Neimeyer | Assistant Principal, South Technical |
| Jan Viele | Facilitator, Education Technology |
| Gina Bell-Hill | Assistant Principal, North Technical |
| Kim Beals | Assistant Principal, North Technical |
| Jim Hieger | Assistant Principal, North Technical |
| Sheila Green-Samuel | Mathematics – Department Chair |
| Sandy Ash | Social Studies – Department Chair |
| Nick Detering | Language Arts – Department Chair |
| Karista Koehler | Science – Department Chair |

IV. Results

Background

The Career and Technical Education curricula met Missouri School Improvement Cycle (MSIP) Cycle II standards. Because of that, the curriculum review by the visiting MSIP team was waived in MSIP Cycle III. New and revised curricula have been board approved since that time. Knowledge of curriculum development and content, integration of technology into instruction, and assessment of student growth have all increased in scope through utilization of Depth of Knowledge in curriculum alignment, adoption of common formative assessments, and increased capabilities of teachers to use instructional technology. The presence of these and other elements in the curriculum support teachers in meeting the instructional needs of students and ensuring improved student performance. Although this evaluation of district curriculum is required by MSIP on a biennial basis, it is also an effective practice to ensure the curriculum includes components to improve student performance. To



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address CSIP Goal I, the Technical Education Division aligns curricula to state standards using the Student Information System (SIS) and the DESE supported Electronic Alignment Tool (EAT). To meet state expectations on End of Course (EOC) examinations, the curriculum has been aligned to the DESE's Grade Level Expectations and Course Level Expectations (GLEs/CLEs) and the faculty has developed lesson plans aligned to these standards. Assessments are a component of the SIS lesson plan format which is a curriculum indicator on MSIP. DESE will align the state curriculum, using GLEs and CLEs, to the National Common Core Standards in the next few years.

Curriculum Review

Curriculum guide and lesson plan contents were reviewed and compared to indicators outlined in MSIP Standard 6.1 (Curriculum). MSIP Standard 6.1.1 states that all curricula contain specific indicators described in Table 1. Table 2 reflects the Content and Process indicators which should be found throughout a district's curriculum (MSIP Standard 6.1.3). The committee reviewed the curriculum contents and assessed whether each curriculum guide and each sampled lesson contained information which met the criteria for each indicator outlined in MSIP Standard 6.1

Table 1. MSIP Standard 6.1.1 - Curriculum Indicators

| Indicator | Description |
|--------------------------------|---|
| Rationale | Rationale which relates the general goals of each subject area and course to the district's mission and philosophy |
| Course Description | General description of the content of each subject area at the elementary level and each secondary-level course |
| Graduate Goals | General goals for graduates in each subject area |
| Learner Objectives | Specific, measurable learner objectives for each course at each grade level |
| Alignment to Show-Me-Standards | Alignment of measurable learner objectives for each course to the knowledge, skills, and competencies that students need to meet the district's goals and the Show-Me Standards |
| Instructional Activities | Instructional activities for the learner objectives |
| Assessments | Specific assessments for the learner objectives |
| Board Approved | School Board has reviewed and approved curriculum |
| Articulation | Evidence that individual learner objectives have been articulated by grade level and course sequence (Scope & Sequence) |

Table 2. MSIP Standard 6.1.3 - Content and Process Indicators

| | |
|---------------------|--|
| Equity | Evidence the curriculum incorporates content and processes related to equity |
| Technology | Evidence the curriculum incorporates content and processes related to technology |
| Research | Evidence the curriculum incorporates content and processes related to research |
| Workplace Readiness | Evidence the curriculum incorporates content and processes related to workplace readiness skills |



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MSIP Indicators Across Courses

Table 3 illustrates the percent of courses which met specific MSIP Standard 6.1.1 indicators. Table 4 illustrates the percent of courses which met MSIP Content and Process indicators (Standard 6.1.3). For example, a score of 100% signifies that the MSIP indicator was present in each course curriculum. Scores less than 100% indicate the indicator was not present in each course.

Table 3. MSIP Standard 6.1.1 - Curriculum Indicators

| Percent of Courses Meeting Requirements | | | | | | | | |
|---|---------|---------------|-------------|----------------|-------------|-----------|------------------|-------|
| MSIP Component | Science | Language Arts | Mathematics | Social Studies | Health/P.E. | Fine Arts | Foreign Language | CTE |
| Rationale | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Course Description | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Graduate Goals | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Learner Objectives | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Alignment to Show-Me Standards | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Instructional Activities | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Assessments | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Board Approved | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Articulation | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

All academic courses and Career Technical Education (CTE) courses meet MSIP Standard 6.1 for the required elements of Course Rationale, Course Description, Graduate Goals, Learner Objectives, Alignment to Show-Me Standards, Instructional Activities, Assessments, Board Approval, and Articulation.

Table 4. MSIP Standard 6.1.3 – Content and Process Indicators

| Percent of Courses Meeting Requirements | | | | | | | | |
|---|---------|---------------|-------------|----------------|-------------|-----------|------------------|-------|
| MSIP Component | Science | Language Arts | Mathematics | Social Studies | Health/P.E. | Fine Arts | Foreign Language | CTE |
| Equity | 64.0 | 25.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Technology | 64.0 | 75.0 | 70.0 | 67.0 | 50.0 | 60.0 | 100.0 | 100.0 |
| Research | 91.0 | 75.0 | 50.0 | 100.0 | 75.0 | 40.0 | 100.0 | 100.0 |
| Workplace Readiness | 45.0 | 25.0 | 70.0 | 50.0 | 75.0 | 40.0 | 0 | 100.0 |

As noted in Table 4, the presence of Content and Process indicators are present in varying degrees throughout the Technical Education Division curricula in the areas of Equity, Technology, Research, and Workplace Readiness. However, some indicators are more applicable to specific curriculum areas and courses compared to others.



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In addition to meeting the MSIP Standard, the courses identified for End of Course (EOC) Exams for the 2010 – 2011 school-year (i.e., Algebra I, English II, Biology and Government) have gone through the revision process to meet Course Level Expectations (CLE). In addition to the four courses named above, American History, Geometry, and Algebra II have been revised to meet the CLE for the ‘Optional’ End of Course Exams.

V. Discussion

Strengths

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Concerns

- Teacher will need to be trained on the new Common Core State Standards.
- Curriculum revisions will be required to meet the new Common Core State Standards.

Recommendations

- Lesson plans need to be continually updated as instructional practices and curriculum changes are instituted.

Person responsible to champion action plan: Michael Rogg
Timeframe for reporting updates to Board of Education: Biennial

Date: _____
Signature of Administrator Responsible for Chairing Evaluation