



Career Technical Education At-Risk

Special School District 2012-2013 Program Evaluation Plan

Coordinator Name

Michael B. Rogg, Director, Technical Education

Planning Team

Michael B. Rogg, Mary P. Braun, Bola Jimoh, Kirsta Armstead

Description of the Program (2011-2012)

The curriculum and instructional plan for at-risk Career and Technical students provides services and supports for students who are at-risk of failure to achieve academic success. The program focuses on North Technical High School full day students. Half day students who attend either North Technical or South Technical High School receive academic at-risk supports through their home school.

Description of How the Program's Services are Developed and Delivered

North Technical High School identifies full day students as at-risk, based upon academic and technical tests scores. The school offers these students, at-risk of academic failure and not graduating, extra school day and after-school tutoring, and time to work on KeyTrain™ software in classrooms and labs. Administrative staff inform academic and technical teachers of student scores and individual WorkKeys™ and Star Enterprise™ skills deficiencies so they are able to incorporate student needs into lesson plans and small group instruction.

Key Program Stakeholder Groups

- | | |
|---|--|
| <input checked="" type="checkbox"/> Students
<input type="checkbox"/> Parents
<input checked="" type="checkbox"/> Staff
<input checked="" type="checkbox"/> Administrators | <input type="checkbox"/> Board of Education
<input type="checkbox"/> Taxpayers
<input type="checkbox"/> Other (Specify.) |
|---|--|

Student and/or Stakeholder Needs Addressed by the Program

The program is designed to address the academic needs of full day North Technical students whose tests scores indicate severe academic deficiencies, especially in math and reading. These deficiencies are addressed through tutoring and the use of individualized skills training software programs. These interventions increase the likelihood of students graduating on time and being prepared for positive post-secondary outcomes.

Overall Goals of the Program

Expected Measurable Outcomes

Goal 1: Identify students who are at-risk of academic failure.	1.1 All full day students will be tested at beginning of school year with STAR Reading and Math assessments. 1.2 All full day students who have not reached industry standards in Math and Reading will be assessed with the WorkKeys™ or KeyTrain™ Assessments. 1.3 Identify students who are three grade levels below their current grade in reading and math on the STAR assessments. 1.4 Identify students who have not met their trade specific academic standards based on WorkKeys™ or KeyTrain™ assessments.
Goal 2: Provide service and supports for at-risk students.	2.1 Students who are identified as at-risk by STAR assessments or class grades are offered after school tutoring.

	2.2 At-risk students will work during regular shop times on KeyTrain™ software to improve their skills..
Goal 3: Improve student achievement on summative assessments.	3.1 100% of at-risk students will show more than 1 year grade level improvement on STAR math assessment. 3.2 100% of at-risk students will show more than 1 year grade level improvement on STAR reading assessment. 3.3 100% of at-risk students will improve 1 level in Reading on the Reading portion of KeyTrain™. 3.4 100% of at-risk students will improve 1 level in the Locating Information portion of KeyTrain™. 3.5 100% of at-risk students will improve 1 level in the Applied Mathematics portion of KeyTrain™.

Evaluation Questions

- What is the status of the program’s progress toward achieving the goals?
- What do students and other stakeholders consider to be the strengths and weaknesses of the program?
- What do staff consider to be the strengths and weaknesses of the program?
- How does the program’s actual implementation compare with the program’s design?
- How should priorities be changed to put more focus on achieving the goals?
- How should goals be changed? Any added or removed?

Data Collection Methods

- Surveys and questionnaires
- Interviews
- Document reviews
- Observations
- TeacherFocus groups
- Case studies
- Assessments
- Other (Specify)



Evaluation Results

What is the status of the program’s progress toward achieving the goals?

Goal 1: Identify students who are at-risk of academic failure.

Measurable Objective 1:	1.1 All full day students will be tested at beginning of school year with STAR Reading and Math assessments.
Results: Full-day enrollment at North Technical High School (grades 10-12) in Sept. 2011 was 548 students. A total of 544 students (99.2%) were tested in both STAR Reading and Math assessments.	

Measurable Objective 2:	1.2 All full day students who have not reached industry standards in Math and Reading will be assessed with the WorkKeys™ or KeyTrain™ Assessments.
Results: Full-day enrollment at North Technical High School (grades 10-12) in Sept. 2011 was 548 students. A total of 543 students (99%) were tested in Applied Math, Locating Information, and Reading for Information, in order to assess student levels as compared to industry levels.	

Measurable Objective 3:	1.3 Identify students who are three grade levels below their current grade in reading and math on the STAR assessments.				
Results:					
Students at North Tech 3 years below grade level					
Grade	Enrolled Full day	Math N	Math %	Reading N	Reading %
10	124	56	45%	58	46.70%
11	225	114	42.60%	96	50.60%
12	199	121	56.20%	112	60.80%

Measurable Objective 4:	1.4 Identify students who have not met their trade specific academic standards based on WorkKeys™ or KeyTrain™ assessments.		
Note: Students who do not achieve an industry level score on <u>any</u> one of the three WorkKeys/KeyTrain assessments are considered at-risk of not meeting industry standards.			
Results:			
Students not meeting Industry Targets			
Grade	Students	At-Risk N	At-Risk %
10	124	18	15%
11	223	87	39%
12	12 th graders do not take WorkKeys at beginning of year.		

Goal 2: Provide service and supports for at-risk students.

Measurable Objective 1:	2.1 Students who are identified as at-risk by STAR assessments or class grades are offered after school tutoring.										
Results: 2011-12:	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">At-Risk Tutoring Sessions at North Tech</th> </tr> <tr> <th>Content Area</th> <th>Tutoring Sessions *</th> </tr> </thead> <tbody> <tr> <td>Math</td> <td>582</td> </tr> <tr> <td>Language Arts</td> <td>136</td> </tr> <tr> <td>Science</td> <td>421</td> </tr> </tbody> </table> <p>Note: At-risk students were targeted for additional preparation for state end-of-course exams. * Tutoring sessions are calculated as the total of the number of students times the number of sessions each student attended. Thus, 40 students who attended 5 sessions would be 200 tutoring sessions.</p>	At-Risk Tutoring Sessions at North Tech		Content Area	Tutoring Sessions *	Math	582	Language Arts	136	Science	421
At-Risk Tutoring Sessions at North Tech											
Content Area	Tutoring Sessions *										
Math	582										
Language Arts	136										
Science	421										

Measurable Objective 2:	2.2 At-risk students will work during regular shop times on KeyTrain™ software to improve their skills.
Results:	KeyTrain software helps students address Math and Reading skills necessary for success in their shop area. Students may use the software during shop time to address these needs. Students may also log on during their advisory periods. However, KeyTrain was not systematically implemented for the at-risk students.

Goal 3: Improve student achievement on summative assessments.

Measurable Objective 1:	3.1 100% of at-risk students will show more than 1 year grade level improvement on STAR math assessment.																				
Results: Not Met.	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="4">Students improving by 1 grade level or more - STAR Math</th> </tr> <tr> <th>Grade</th> <th>At-Risk Students (STAR)</th> <th>N</th> <th>Percent</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>58</td> <td>39</td> <td>67.20%</td> </tr> <tr> <td>11</td> <td>96</td> <td>37</td> <td>38.50%</td> </tr> <tr> <td>12</td> <td>112</td> <td>48</td> <td>42.80%</td> </tr> </tbody> </table>	Students improving by 1 grade level or more - STAR Math				Grade	At-Risk Students (STAR)	N	Percent	10	58	39	67.20%	11	96	37	38.50%	12	112	48	42.80%
Students improving by 1 grade level or more - STAR Math																					
Grade	At-Risk Students (STAR)	N	Percent																		
10	58	39	67.20%																		
11	96	37	38.50%																		
12	112	48	42.80%																		

Measurable Objective 2:	3.2 100% of at-risk students will show more than 1 year grade level improvement on STAR reading assessment.																				
Results: Not Met.	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="4">Students improving by 1 grade level or more - STAR Reading</th> </tr> <tr> <th>Grade</th> <th>At-Risk Students (STAR)</th> <th>N</th> <th>Percent</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>56</td> <td>25</td> <td>44.60%</td> </tr> <tr> <td>11</td> <td>114</td> <td>31</td> <td>27.10%</td> </tr> <tr> <td>12</td> <td>121</td> <td>15</td> <td>12.40%</td> </tr> </tbody> </table>	Students improving by 1 grade level or more - STAR Reading				Grade	At-Risk Students (STAR)	N	Percent	10	56	25	44.60%	11	114	31	27.10%	12	121	15	12.40%
Students improving by 1 grade level or more - STAR Reading																					
Grade	At-Risk Students (STAR)	N	Percent																		
10	56	25	44.60%																		
11	114	31	27.10%																		
12	121	15	12.40%																		

Measurable Objective 3:	3.3 100% of at-risk students will improve 1 level in Reading on the Reading portion of KeyTrain™.
Results: Not Met. 81 students did not meet industry standards for their shop area in the fall. None of these students (0%) made at least one level of progress in Reading for Information.	

Measurable Objective 4:	3.4 100% of at-risk students will improve 1 level in the Locating Information portion of KeyTrain™.
Results: Not Met. 156 students did not meet industry standards for their shop area in the fall. 4 of these students (3%) made at least one level of progress in Locating Information.	

Measurable Objective 5:	3.5 100% of at-risk students will improve 1 level in the Applied Mathematics portion of KeyTrain™.
Results: Not Met. 209 students did not meet industry standards for their shop area in the fall. 18 of these students (9%) made at least one level of progress in Applied Math.	

What do key staff and stakeholders consider to be the strengths and opportunities for improvement /weaknesses of the program?

<p>Strengths</p> <ul style="list-style-type: none"> • <i>Strength 1 – 99% of students were tested with STAR and KeyTrain.</i> • <i>Strength 2 – Students can work during technical/free times on KeyTrain software programs.</i> • <i>Strength 3 – Academic teachers analyzed STAR reports in data team meetings and used the results to create strategies to address student needs.</i>
<p>Opportunities/Weaknesses</p> <ul style="list-style-type: none"> • <i>Opportunity 1 – At risk students are not meeting improvement goals.</i> • <i>Opportunity 2 – KeyTrain is not systematically implemented to support at-risk students.</i> • <i>Opportunity 3 – Teachers report a need for remediation software aligned to the STAR assessments.</i>

How well aligned are the program’s priorities and processes with the goals of the program?

The program’s priorities and process are aligned but additional work is needed to move students toward established goals.

Deployment Level of Program Services: The program services are in the early stages of deployment in most areas or schools.

Should priorities be changed to put more focus on achieving the goals? Yes No
Should goals be changed, added or removed? Yes No

Evaluation Implications

General Recommendation Resulting from the Evaluation

Select from the following possible recommendations resulting from the evaluation:

- Continue the program as is. It is meeting or exceeding all expected outcomes.
- Expand the program, replicating effective components.
- Streamline, refine, or consolidate elements of the program.

- Redesign the program.
- Reevaluate the purpose and/or goals of the program.
- Discontinue ineffective or nonessential program components.
- Discontinue the program.
- Other (Specify.)

Action Plans

1. Purchase STAR Enterprise upgraded software program to give teachers more access to reports of greater details in regard to student skills/needs in math and Reading.
2. Implement structured process for at-risk students to access the KeyTrain program. In this way, at-risk students could work at their own pace toward continued improvement.
3. Assemble a committee to research remediation software for academic skills that can be aligned to specific instructional goals.
4. Review possibility of using PLATO software for use with at-risk students.

Status of Recommendations from Previous Report

- As post secondary education placement increased in the 2010 year, expand activities that prepare student for matriculation into 2 year, 4 year and other post secondary schools and institutions.

Central Office has continually worked toward expanding articulation and dual credit opportunities for all students at the Technical High Schools. All technical programs have at least one articulation possibility with a postsecondary institution. Dual credit is available in various math, English and science as well as advanced placement in social studies.

Cost and Funding Source The costs are included in the budget.