



# Warren Consolidated Schools

*Creating Dynamic Futures through Student Achievement, High Expectations, and Strong Relationships*

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## MACOMB MATHEMATICS SCIENCE TECHNOLOGY CENTER

27500 Cosgrove  
Warren, MI 48092  
586.698.4394

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## Macomb Mathematics Science Technology Center School Annual Education Report (AER)

January 31, 2020

Dear Parents and Community Members:

We are pleased to present you with the Annual Education Report (AER) which provides key information on the 2018-19 educational progress for Macomb Mathematics Science Technology Center the AER addresses the complex reporting information required by federal and state laws. The school's report contains information about student assessment, accountability, and teacher quality. If you have any questions about the AER, please contact Dr. Catherine Neuhoff for assistance.

The AER for MS2TC is available for you to review electronically at <http://bit.ly/2VU8Two>, and the AER for MMSTC can be reviewed at <http://bit.ly/2VWwBYQ>, or you may request a copy in the main office at your child's school.

For the 2018-19 school year, schools were identified using definitions and labels as required in the Every Student Succeeds Act (ESSA). A Targeted Support and Improvement (TSI) school is one that has at least one underperforming student subgroup. An Additional Targeted Support (ATS) school is one that has a student subgroup performing at the same level as the lowest 5% of all schools in the state. A Comprehensive Support and Improvement (CSI) school is one whose performance is in the lowest 5% of all schools in the state or has a graduation rate at or below 67%. Some schools are not identified with any of these labels. In these cases, no label is given.

Our school has not been given one of these labels.

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Butcher Educational Center (BEC) currently houses three magnet programs serving students from 11 high schools, three within Warren Consolidated Schools (WCS) and eight from Macomb County high schools. Middle school students come from WCS's four district middle schools. The data represented in our School Improvement Plan and therefore analyzed, represent students who attend BEC for a full school day at the middle school level. Students attending BEC programs struggle with similar academic issues as their home school peers when itemizing local and state assessment data: relatively low ability to make inferences within texts; making evidence-based arguments within their writing and program solving across curriculum; limits in academic vocabulary and the ability to transfer problem solving skills learned in one curriculum to another. In response to this, the School Improvement Team is approaching this by implementing No Red Ink – a computer-based program that delivers skill development practices based on student assessments; and Claim Evidence Reasoning protocol (CER) across the curriculum to strengthen students' ability to spot each element in reading and to formally address each in their argumentative writing. A common rubric informs students' progress across disciplines.

State law requires that we also report additional information.

### **1. PROCESS FOR ASSIGNING PUPILS TO THE SCHOOL:**

Students are assigned to schools according to their address of residence within the District's boundaries. Parents may request another school within the District under the Open Enrollment process; however, transportation is not provided. The Board of Education has determined that it will allow non-resident students residing within the Macomb ISD attendance area to enroll within the District through a Schools of Choice program.

Butcher Educational Center is a provider for three of WCS's selective magnet programs: the Macomb Mathematics Science Technology Center, the Middle School Mathematics Science and Technology Center, and the Middle School Visual and Performing Arts Program.

Students attending the **Macomb Mathematics Science Technology Center (MMSTC)** became eligible to apply based on the math courses in which they are enrolled in their middle school placements. Eligible students are enrolled in either Algebra 1 or Accelerated Geometry as 8<sup>th</sup> graders; they meet with the MMSTC counselor at recruitment meetings held at their home middle schools where they are given information about testing and an invitation to attend one of two Open Houses held in December of their 8<sup>th</sup> grade year. The MMSTC

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serves eligible students from 8 Macomb County districts as well as WCS where consortium agreements are established.

Students attending the **Middle School Mathematics Science Technology Center (MS2TC)** are invited to test and complete the application process based on their NWEA scores in the fall of their fifth-grade years as well as teacher recommendations. Eligible students must attend one of four WCS middle schools. Parents of out of district students interested in attending the MS2TC must School of Choice enroll in one of WCS four middle schools. Students selected for MS2TC take the full CoGAT, complete a writing sample during testing and complete a student application. Additionally, parents complete an application and students' fifth grade teachers' complete recommendation surveys as part of students' application profiles.

Students attending the **Middle School Visual and Performing Arts (MSVPA)** program are invited to attend based on their NWEA reading and language use scores of the fall of their 6<sup>th</sup> grade years. Candidates for MSVPA take the CoGAT verbal and reading portions to determine eligibility. Students currently attending MS2TC are invited to complete an application; their placement in MS2TC allows them to bypass the testing portion of the application process.

### 2. THE STATUS OF THE 3-5 YEAR SCHOOL IMPROVEMENT PLAN

Butcher Educational Center's School Improvement Plan is based on the progress of our full day students; these students attend both MS2TC and MSVPA only. Butcher Educational Center is in its **fourth year** of the school improvement cycle. Informed by assessment data gathered from both state testing (MSTEP/PSAT8) and the NWEA, this year's plan emphasizes writing across the curriculum, specifically evidence-based argumentation as well as strengthening language usage.

### 3. A BRIEF DESCRIPTION OF EACH SPECIALIZED SCHOOL

**The Macomb Mathematics Science Technology Center (MMSTC)** is an honors research-based program for 9th – 12th grade students in 9 Macomb County districts including WCS who are interested in advanced/accelerated mathematics, science, and computer technology. Students must apply and be selected for the program based upon placement testing, teachers' and counselors' recommendations. The Center's program is a half day and students attend their home school for the remainder of the day.

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**The Middle School Mathematics Science Technology Center (MS)2TC** offers an advanced mathematics, science and English language arts option for middle school students. Students accepted into the program split their day between their home middle school, where they take their social studies and two elective classes, and Butcher Educational Center, where they take their mathematics, science, and English language arts classes.

**The Middle School Visual and Performing Arts (MS-VPA)** is an exciting, creative program that has been designed to build on the district's nationally acclaimed, award-winning high school performing arts program (WCSPA) which is in Sterling Heights High School. MS-VPA is intended for academically focused and creative students who seek to blend their academic experience with interest in the performing arts. Students who are accepted into the program will split their school day between their home middle school, where they will take their language arts, science, and math classes, and Butcher Educational Center, where they will take their social studies and two performing arts electives. The performing arts electives will include visual arts, music, dance, and theatre exploratory experiences.

**The Career Preparation Center (CPC)** programs are open to Clintondale, Fraser, and Warren Consolidated 11th and 12th grade students. CPC programs are designed to provide students with skills to enter the workforce or continue with additional college or workplace training. Career Technical Education (CTE) classes at the CPC provide technical skills and knowledge. Students enrolled in these programs are often able to earn technical certifications as well as college credit.

**Community High School** is an alternative education program for high school students. The primary objective of the school is to assist enrolled students in meeting their high school graduation requirements in a timely manner. It is now located at the Hatherly Educational Center.

**Early Childhood Education** is an important part of the mission and vision of Warren Consolidated Schools. A variety of early learning classrooms are housed in our elementary buildings. These programs include WCS Early Childhood Special Education (ECSE) Program, the World of Fours (grant-supported preschool program for 4-year-olds), fee-based 3-year-old and 4-year-old preschool, transitional kindergarten, and several Macomb-Intermediate School District Head-Start classrooms.

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4. IDENTIFY HOW TO ACCESS A COPY OF THE CORE CURRICULUM, A DESCRIPTION OF ITS IMPLEMENTATION, AND AN EXPLANATION OF THE VARIANCES FROM THE STATE'S MODEL

Warren Consolidated Schools follows all State of Michigan curriculum guidelines. The Board of Education has adopted a core curriculum based on Michigan Curriculum Framework, Grade-Level content Expectations/Michigan State Standards, and Michigan Merit Curriculum approved but the State Board of Education. A copy of the core curriculum may be accessed at [www.wcskids.net](http://www.wcskids.net), under Parent Resources on our school pages.

5. THE AGGREGATE STUDENT ACHIEVEMENT RESULTS FOR ANY LOCAL COMPETENCY TESTS OR NATIONALLY NORMED ACHIEVEMENT TESTS

In the fall of 2018, Warren Consolidated Schools administered Northwest Evaluation Association's measure of Academic Progress (MAP Growth assessment). This test was given again the spring of 2019. ELA and Math assessment results are listed below.

ELA	GR	Total Students	Lo	Pct	LoAvg	Pct	Avg	Pct	HiAvg	Pct	Hi	Pct
Fall	7	40	0	0	0	0	1	3	10	25	29	73
Spring	7	39	0	0	0	0	2	5	10	26	27	69
Fall	8	30	0	0	0	0	0	0	5	17	25	83
Spring	8	29	0	0	0	0	0	0	2	7	27	93
%ile = Percentile			Lo %il <21		LoAve %il 21-40		Avg %ile 41-60		HiAvg %ile 60-80		Hi %ile>80	

MATH	GR	Total Students	Lo	Pct	LoAvg	Pct	Avg	Pct	HiAvg	Pct	Hi	Pct
Fall	7	40	0	0	0	0	1	3	11	28	28	70
Spring	7	39	0	0	0	0	1	3	14	36	24	62
Fall	8	30	0	0	0	0	1	3	9	30	20	67
Spring	8	29	0	0	0	0	0	0	8	28	21	72
%ile = Percentile			Lo %il <21		LoAve %il 21-40		Avg %ile 41-60		HiAvg %ile 60-80		Hi %ile>80	

6. IDENTIFY THE NUMBER AND PERCENT OF STUDENTS REPRESENTED BY PARENTS AT PARENT-TEACHER CONFERENCES

MS2TC	Students represented by parents at parent teacher conferences			
	2017-18		2018-19	
	Number	Percentage	Number	Percentage
FALL	79	66%	79	66%
SPRING	42	35%	42	35%

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MMSTC	Students represented by parents at parent teacher conferences			
	2017-18		2018-19	
	Number	Percentage	Number	Percentage
FALL	n/a	69%	n/a	69%
SPRING	n/a	32%	114	40%

\*Spring conference are held by the request of parent or teacher.

7. FOR HIGH SCHOOLS, ONLY ALSO REPORT ON THE FOLLOWING:

- a. THE NUMBER AND PERCENT OF POSTSECONDARY ENROLLMENTS (DUAL ENROLLMENT):

This is reported at our students' home schools.

- b. THE NUMBER OF COLLEGE EQUIVALENT COURSES OFFERED (AP/IB):  
MMSTC offers five AP level courses. MMSTC students have access to AP courses at their home schools as well.

- c. THE NUMBER AND PERCENTAGE OF STUDENTS ENROLLED IN COLLEGE EQUIVALENT COURSES (AP/IB):  
Sixty students or 90% of students take the AP Calculus (A/B, B/C), AP Chemistry, AP Physics, and/or AP Statistics exams.

- d. THE NUMBER AND PERCENTAGE OF STUDENTS RECEIVING A SCORE LEADING TO COLLEGE CREDIT:  
Students' home high schools report this data.

The 2018 – 2019 school year was very exciting for students, their parents, and staff at the Butcher Educational Center as collectively they work diligently to supplement each program financially through family fund raisers, performances, and grant writing. Working together, we strengthen relationships between each set of stakeholders simultaneously giving our students exciting and rewarding educational opportunities.

Sincerely,

*Dr. Catherine Neuhoff*

Director of Special Programs:  
Macomb Mathematics Science Technology Center