

**Anglophone East School District Monitoring Report**  
**Ends Policy 1.7 Science**  
**Monitoring Cycle: January and June**

I hereby present my monitoring report on your Ends Policy 1.7 Science according to the schedule set out. I certify that the information contained in this report is true.

Signed: original signed by Gregg Ingersoll Superintendent Date: January 15, 2020

Policy Statement: Respecting Provincial Targets contained in the Provincial 10 Year Education Plan, the District Education Council shall ensure that students in Anglophone East School District achieve science competencies as demonstrated through report card data by strand.

Compliance Indicator	Connection to Policy	Evidence	Compliance	
<b>Measurable goals are met.</b>	Respecting Provincial Targets contained in the new Provincial 10 Year Education Plan, the District Education Council shall ensure that students in Anglophone East School District achieve science competencies as demonstrated through report card data by strand.	<p style="text-align: center;"><b>Goals for 2018-19</b></p> <ol style="list-style-type: none"> <li><b>1. Provide regular feedback to administration teams during planned monthly school visits and facilitate collaborative administration Professional Learning Community (PLC) meetings to support supervision of instruction.</b> <ul style="list-style-type: none"> <li>• Each school is visited by a Subject Coordinator monthly.</li> <li>• Schools meet in PLC clusters during monthly administrator meetings.</li> </ul> </li> <li><b>2. Support administrative teams in the review and analysis of their school data.</b> <ul style="list-style-type: none"> <li>• Report Card data is analyzed 3 times per year.</li> <li>• Benchmark Data is analyzed in PLC teams three times a year.</li> </ul> </li> <li><b>3. Collaborate with teaching teams and administrators to ensure effectiveness of Education Support Teacher (EST) school-embedded plans.</b> <ul style="list-style-type: none"> <li>• EST Support Request Charters are completed prior to support being assigned to a school.</li> <li>• Charters are reviewed at weekly Subject Coordinators meeting.</li> </ul> </li> <li><b>4. Ensure Professional Learning is personalized and endures to build collaborative capacity.</b> <ul style="list-style-type: none"> <li>• Professional Learning budgets are allocated based on identified need (reviewed quarterly).</li> <li>• Teacher Growth Plans guide Professional Learning plans in schools.</li> </ul> </li> </ol>	<b>Goal</b>	<b>Yes/No</b>
			<b>1</b>	<b>Yes</b>
			<b>2</b>	<b>Yes</b>
			<b>3</b>	<b>Yes</b>
			<b>4</b>	<b>Yes</b>

**Report Card Data:**  
**80% of students will achieve at the meeting or excelling levels (3, 3+, 4, 4+) by the end of each school year.**

1.1 The Council expects that 80% of students in kindergarten to grade 8 will achieve at the meeting or excelling levels (3, 3+, 4, 4+) by the end of each school year.

**Report Card Data**  
**Percentage of Students Meeting or Excelling Expectations**

**Strand: Analyze and Explain**

Reporting Period	June, 2017	Dec, 2017	March, 2018	June, 2018	Dec, 2018	March, 2019	June, 2019	Dec, 2019	March, 2020	June, 2020
3	84.7	78.7	82.7	86.4	46.6	65.9	90.7	72.6		
4	81.7	82.7	87.1	80.4	60.3	82.9	86.5	56.1		
5	63.9	79.9	83.6	72.9	74.5	83.6	87.6	86.1		
6	76.4	82.8	80.0	77.9	70.5	77.3	82.6	82.4		
7	89.5	85.8	77.9	77.9	77.8	80.3	82.9	74.6		
8	88.5	84.5	78.8	80.3	78.7	76.2	83.5	65.2		

**Strand: Knowledge**

Reporting Period	June, 2017	Dec, 2017	March, 2018	June, 2018	Dec, 2018	March, 2019	June, 2019	Dec, 2019	March, 2020	June, 2020
3	-	-	-	-	-	-	-	-		
4	89.0	85.3	87.0	86.8	49.8	85.2	87.8	70.3		
5	67.2	86.0	89.7	88.0	81.1	75.1	86.9	83.1		
6	87.5	86.3	83.9	83.9	82.0	81.5	89.4	82.4		
7	90.8	81.3	85.1	81.0	79.6	83.9	83.4	79.5		
8	88.6	80.0	84.9	81.7	80.6	81.5	81.0	86.5		

Please note: In Grade 3, Knowledge is embedded in Science Technology Society Environment (STSE) Strand

**Analyze and Explain**

Year	Yes/No
2016-2017	No
2017-2018	No
2018-2019	Yes
2019-2020	

**Knowledge**

Year	Yes/No
2016-2017	No
2017-2018	Yes
2018-2019	Yes
2019-2020	

**Strand: Plan and Perform**

Reporting Period	June, 2017	Dec, 2017	March, 2018	June, 2018	Dec, 2018	March, 2019	June, 2019	Dec, 2019	March, 2020	June, 2020
3	85.1	73.5	80.2	88.9	48.6	67.3	90.3	68.9		
4	82.5	83.3	85.2	81.3	63.0	82.8	84.6	64.2		
5	64.6	85.1	89.3	90.1	81.3	81.1	86.1	86.1		
6	80.7	79.5	84.5	84.1	69.1	76.9	86.7	81.6		
7	94.3	82.5	82.6	83.8	78.1	82.1	84.6	74.9		
8	91.6	81.8	82.9	83.9	84.4	81.7	85.3	88.5		

**Strand: Society and Environment**

Reporting Period	June, 2017	Dec, 2017	March, 2018	June, 2018	Dec, 2018	March, 2019	June, 2019	Dec, 2019	March, 2020	June, 2020
3	79.9	84.0	87.1	89.3	41.5	63.6	91.9	74.5		
4	88.7	NA	90.0	85.3	35.8	87.3	93.0	46.6		
5	92.4	92.3	91.8	76.3	82.0	77.4	91.7	61.4		
6	88.5	94.7	89.0	83.3	61.2	77.6	88.3	60.2		
7	85.5	88.8	89.7	77.8	67.7	82.7	84.5	44.4		
8	82.8	93.4	87.0	79.4	47.5	74.9	87.5	52.1		

NA= Not a significant sample size

**Plan and Perform**

Year	Yes/No
2016-2017	No
2017-2018	Yes
2018-2019	Yes
2019-2020	

**Society and Environment**

Year	Yes/No
2016-2017	No
2017-2018	No
2018-2019	Yes
2019-2020	

1.2 The Council will monitor the following at the high school level: number of students taking each course, percentage of students who complete each course successfully, and the median mark in each course.

**High School Data 2018-2019**

S1 Course	Count of Students	MEDIAN Grade	% of students there were successful (60% or greater)	S2 Courses	Count of Students	MEDIAN Grade	% of students there were successful (60% or greater)
Adv Env Science 120	8	40	38%	Adv Env Science 120	24	80	83.8
AP Biology 120	16	87.5	100%	AP Biology 120	16	87.5	100
Biology 111	25	82	92%	Biology 111	44	86.5	97.7
Biology 112	273	77	87%	Biology 112	607	79	89.8
Biology 121	49	92	100%	Biology 121	80	92	100
Biology 122	56	80	91%	Biology 122	337	80	95.3
Chemistry 111	129	90	98%	Chemistry 111	147	91	98.6
Chemistry 112	421	80	77%	Chemistry 112	511	81	89.4
Chemistry 121	27	94	100%	Chemistry 121	125	93	96.0
Chemistry 122	73	78	92%	Chemistry 122	367	80	93.2
FI Science 10	342	83	99%	FI Science 10	506	83	96.2
Science 10	483	76.5	87%	Science 10	617	82	98.2
FI/FSL Biology 112	87	85	98%	FI/FSL Biology 111	16	95.5	100
FI/FSL Biology 122	31	81	93%	FI/FSL Biology 112	175	86.0	98.3

**100% of students on Personalized Learning Plans (Modified/adjusted) will meet with success. Evidence will be provided that adjustments have been made when the student does not meet with success.**

1.3 Students who follow a Personalized Learning Plan-Modified will be monitored to ensure individual growth. The Council expects that 100% of students on a Personalized Learning Plan-adjusted in kindergarten to grade twelve will meet with success based on their individual academic goals by the end of each school year

FI/FSL Intro Env Sc 120	12	85	100%	FI/FSL Biology 122	56	82.5	94.6
Intro Env Sc 120	209	75	89%	Intro Env Sc 120	256	75	89.1
Human Physiology 110	152	75.5	84%	Physics 111	78	90.5	98.7
Physics 112	263	84	90%	Physics 112	261	84	92.3
Physics 111	33	90	94%	Physics 121	46	92.5	100
Physics 121	28	94	100%	Physics 121	162	85	98.1

Science 9 is a year long course and will be counted in S2 Final Marks.

**Personalized Learning Plans- in Science**

	March, 2018	June, 2018	Dec, 2018	March, 2019	June, 2019	Dec, 2019	March, 2020	June, 2020
<b>Number of Plans</b>	PLP I 16/16 PLP M* 107/171	PLP M* 121/422	PLP M* 73/151	PLP M 59/78	PLP M 43/79	PLP 32/62		
<b>Percentage Successful</b>	PLP I 100% PLPM 62.6%	PLP M 28.6%	PLP M 48.3%	PLP M 75.6%	54%	52%		

\*Bases by number of 3 or more/ # of modified strands

**Effectiveness of PLP-Adjusted**

Year	Yes/No
2018	No
2019	No
2020	

Science June 2019 – Program of Study Data

Strands	Appropriate	Below	NA
<b>Analyze &amp; Explain</b>			
FI Science 3	95.83%	4.01%	0.16%
FI Science 4	91.72%	8.14%	0.15%
FI Science 5	91.95%	7.69%	0.36%
FI Science 6	88.68%	10.89%	0.42%
FI Science 7	90.85%	8.52%	0.63%
FI Science 8	87.20%	12.16%	0.64%
Science 3	84.21%	11.34%	4.45%
Science 4	79.81%	9.81%	10.38%
Science 5	83.15%	12.50%	4.35%
Science 6	71.43%	26.23%	2.34%
Science 7	72.75%	20.84%	6.41%
Science 8	78.74%	17.41%	3.85%
<b>Knowledge</b>			
FI Science 4	89.44%	10.41%	0.15%
FI Science 5	88.36%	11.45%	0.18%
FI Science 6	92.52%	7.05%	0.42%
FI Science 7	90.08%	9.13%	0.79%
FI Science 8	83.97%	11.22%	4.81%
Science 4	85.59%	8.90%	5.52%
Science 5	85.36%	11.22%	3.42%
Science 6	83.99%	14.04%	1.97%
Science 7	74.95%	19.64%	5.41%
Science 8	77.56%	18.57%	3.87%

Strands	Appropriate	Below	NA
<b>Plan &amp; Perform</b>			
FI Science 3	96.68%	3.15%	0.17%
FI Science 4	86.14%	9.69%	4.17%
FI Science 5	89.44%	6.01%	4.55%
FI Science 6	91.20%	8.36%	0.44%
FI Science 7	91.89%	7.60%	0.51%
FI Science 8	87.82%	11.68%	0.51%
Science 3	82.39%	14.37%	3.24%
Science 4	82.50%	11.15%	6.35%
Science 5	82.64%	13.21%	4.15%
Science 6	78.09%	20.22%	1.69%
Science 7	75.52%	18.62%	5.86%
Science 8	82.52%	13.79%	3.69%
<b>Society/Environment</b>			
FI Science 3	96.93%	2.92%	0.15%
FI Science 4	96.50%	3.18%	0.32%
FI Science 5	94.83%	0.92%	4.24%
FI Science 6	93.95%	5.48%	0.58%
FI Science 7	98.06%	1.55%	0.39%
FI Science 8	91.81%	7.67%	0.52%
Science 3	84.83%	8.38%	6.79%
Science 4	88.93%	4.69%	6.38%
Science 5	88.12%	6.91%	4.97%
Science 6	78.21%	12.82%	8.97%
Science 7	68.97%	13.62%	17.41%
Science 8	82.38%	12.30%	5.33%