Learning Model Re-Evaluation Matrix Background Information

As of October 1, 2020, the AASD will rely on the following Centers for Disease Control and Prevention (CDC) indicators to determine the learning model that will provide our students with a safe and effective learning environment. These indicators will include the number of new cases per 100,000 persons within the last 14 days in the City of Appleton, and also in the Tri-county region, which includes Outagamie County, Calumet County, and Winnebago County, and the 5 key mitigation strategies shown below.

CDC Indicators	Lowest Risk of Transmission In Schools (Fully In-person)	Lower Risk of Transmission In Schools (Fully In-person)	Moderate Risk of Transmission In Schools (Hybrid)	Higher Risk of Transmission In Schools (Fully virtual with additional onsite support)	Highest Risk of Transmission In Schools (Fully Virtual)
Number of new cases per 100,000 persons within the last 14 days	Less than 5	5 to less than 20	20 to less than 50	50 to 200	Greater than 200
Ability of the school to implement 5 key mitigation strategies: • Consistent and correct use of masks • Social distancing to the largest extent possible • Hand hygiene and respiratory etiquette • Cleaning and disinfection • Contact tracing in collaboration with local health department	Implemented all 5 strategies correctly and consistently	Implemented all 5 strategies correctly but inconsistently	Implemented 3-4 strategies correctly and consistently	Implemented 1-2 strategies correctly and consistently	Implemented no strategies

City of Appleton - Number of new cases per 100,000 persons within the last 14 days

	2-weeks ending 9/30	2-weeks ending 10/6	2-weeks ending 10/13	2-weeks ending 10/20
# of Cases	**740**	**920**	**944**	**1,121**
CDC Risk Level	**Highest**	**Highest**	**Highest**	**Highest**
Learning Model	**Virtual**	**Virtual**	**Virtual**	**Virtual**

Tri-county Region - Number of new cases per 100,000 persons within the last 14 days

	2-weeks ending 9/30	2-weeks ending 10/6	2-weeks ending 10/13	2-weeks ending 10/20
# of Cases	**1,085**	**1,110**	**1,343**	**1,297**
CDC Risk Level	**Highest**	**Highest**	**Highest**	**Highest**
Learning Model	**Virtual**	**Virtual**	**Virtual**	**Virtual**

To further assist the AASD in determining the learning model that will provide our students with a safe and effective learning environment, the AASD will also consider **burden**, **trajectory**, and **composite** indicators as outlined by the W**isconsin Department of Health Services (DHS)** for the City of Appleton and the Tri-County region.

The **composite** score is a combination of the burden and trajectory. A composite score of 'Low' will be needed for a fully in-person model. A composite score of 'Medium' is needed for a hybrid model, and a composite score of 'High' will result in a fully virtual model. We will need the composite indicator to be favorable for both the burden and the trajectory for us to consider changing our learning model.

Burden (case count) and **trajectory** (change in case rate) indicators are based on confirmed COVID-19 cases. Burden indicators are categorized as **low, moderate, moderately high, high**, or **Very High** (added by DHS 10/14) and trajectory indicators are categorized as **shrinking, no significant change,** or **growing**.

Below in yellow is our current status based on City of Appleton data as of 10-21-20.

DHS Composite		Trajectory		
		Shrinking	No Significant Change	Growing
Burden	Low	Low	Low	Medium
	Moderate	Medium	Medium	High
	Moderately High	Medium	High	High
	High	High	High	High
	Very High	Very High	Very High	Very High

Burden (case count) is the total number of cases per 100,000 residents in the last two weeks.

Burden Status	Value
Low	Case count is less than or equal to 10
Moderate	Case count is greater than 10, but less than or equal to 50
Moderately High	Case count is greater than 50, but less than or equal to 100
High	Case count is greater than 100, but less than 350
Very High	Case count is greater than or equal to 350

Appleton is currently in the '**High**' range, which indicates a Fully Virtual Learning Model.

Week Ending	8/16	8/23	8/30	9/6	9/16	9/23	9/30	10/7	10/14	10/21
New Cases per 100K	131	91	141	291	376	499	740	911	977	**1,121**
Burden Status	High	High	High	High	High	High	High	High	Very High	**Very High**

Trajectory (change in case rate) is the percent change from the previous week to the current week.

Trajectory Status	Value (change from prior week)
Shrinking	Percent change in cases is less than or equal to negative 10 percent (-10%)
Growing	Percent change in cases is greater than or equal to positive 10 percent (+10%)
No Significant Change	Any other conditions

Given that our trajectory is growing at a rate of more than 10%, this indicator has us in a Fully Virtual Learning Model.

Week Ending	8/23	8/30	9/6	9/16	9/23	9/30	10/7	10/14	10/21
New Cases per 100K	45	95	123	159	215	340	343	390	451
Percent Change	-2%	+120%	+30%	+29%	+35%	+58%	+1%	+14%	+16%
Trajectory Status	No Change	Growing	Growing	Growing	Growing	Growing	No Change	Growing	Growing

Tri-County Data

Using the same composite, burden, and trajectory indicators that were used above for the City of Appleton, but projected for a Tri-County population total of 406,000.

Week Ending	8/23	8/30	9/6	9/16	9/23	9/30	10/7	10/14	10/21
Burden	158	219	312	448	726	1,085	1,110	1,343	1,297
Burden Status	High	High	High	High	High	High	High	Very High	Very High
Trajectory	26%	39%	43%	44%	62%	49%	+2%	+21%	-3%
Trajectory Status	Growing	Growing	Growing	Growing	Growing	Growing	No Change	Growing	No Change
Composite Status	High	High	High	High	High	High	High	Very High	Very High