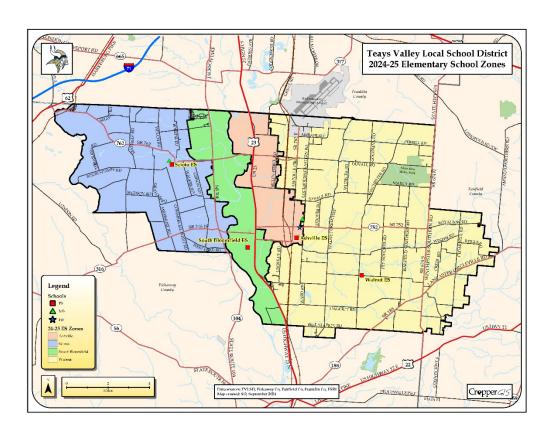


# Teays Valley Local School District, OH 2024-25 Redistricting Study

## **Background Report**







### **Table of Contents**

Table of Contents	
Background and Key Objectives	1
Student Redistricting Study Criteria	1
Student Redistricting Study Process	2
Phase 1. Data Collection	2
Phase 2. Data Analysis / Assimilation	2
Phase 3. Options Development	2
Phase 4. Internal Planning Team and Public Engagement	2
Stakeholder Responsibilities	3
Study Timeline	4
Map Analysis	
Mapping Conventions	5_
Series 1: Current Zone Mapping	6
Series 2: Live-Attend Mapping	7
Online Mapping	8
Appendices	
Appendix A: Live-Attend Analysis	9
Appendix B: Live-Attend Maps	13_
Appendix C: Enrollment and Utilization	24





#### **Background and Key Objectives**

With the support of the Board of Education, Teays Valley Local School District is undertaking a redistricting study to address imbalances in school utilization and enrollment, and to pro-actively account for future growth within the district. Teays Valley Local School District has begun a redistricting study to meet the following key objectives:

- <u>Primary Objective:</u> Evaluate elementary and middle school attendance boundaries to ensure that building utilization is balanced while accounting for new residential growth within the district.
- <u>Secondary Objectives:</u> Ensure the district is maintaining equity in each building regarding ethnic and socioeconomic demographics.

This background report was prepared to inform the internal planning team called together to lead this study. This report will inform team members in two ways:

- 1. It will expand the extensive knowledge each team member already has of Teays Valley Local School District.
- 2. It will help team members share a message with the community that is consistent and accurate.

Teays Valley Local School District contracted Cropper GIS to facilitate this study. Cropper GIS has significant experience facilitating community-based redistricting studies, having assisted school districts of all sizes in Maryland, Virginia, Georgia, Illinois, Indiana, Ohio, New York, and many other states.

The "GIS" in Cropper GIS stands for "geographic information systems." Geographic information systems consist of people, computer hardware and software. GIS is designed to store, analyze, and output geographic data to support decision making. Maps are the most common GIS output. Because school attendance zones are geographic in nature, GIS is a powerful tool promoting efficient and effective decision making when conducting zone studies.

#### **Student Redistricting Study Criteria**

Cropper GIS has developed a body of criteria to guide this student redistricting study. The following criteria are not listed in any order of importance and the recommended plan will be one that best adheres to these criteria as a whole as best as possible:

- Balance school facility utilization Make every effort to have equitable utilization (where possible) across the district and in accordance with school capacities and funded allotment ratios in accordance with state law. Make efficient use of available space.
- Account for future growth Allow for increasing attendance in high growth areas.
- Close Proximity Students should be assigned to the school within the closest proximity to their homes where possible.
- Maximize busing efficiencies in transportation of students Make every effort to account for transportation (school bus and car rider), parent commuting patterns, balance busing travel time, and costs.
- Minimize impact on students Attempt to minimize the number of students impacted when making boundary adjustments.
- Consider economic, cultural, and ethnic diversity Ensure schools are inclusionary and not adversely affected by redistricting decisions.
- Make every effort to establish contiguous zones Avoid creating zones that are not connected to the primary attendance zone, where possible.
- Use major roads and natural boundaries wherever feasible to define attendance zones Minimize the number of students who need to cross major intersections and other barriers to maximize the safety and security of students and optimize transportation efficiency by containing bus routes within natural boundaries wherever possible to avoid traffic delays and late arrivals.

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#### **Student Redistricting Study Process**

While the rationale behind the student redistricting study process is presented in the Background section, it is important to reiterate that:

- This process is driven by a team of experts within the district but with extensive public participation.
- The process will be facilitated by an outside consultant.
- TVLSD staff will provide data and technical support to the internal planning team.
- Multiple forms of communication will be incorporated into the process.

This study has four phases:

- Phase 1. Data Collection
- Phase 2. Data Analysis / Assimilation
- Phase 3. Options Development
- Phase 4. Internal Planning Team and Public Engagement

#### Phase 1. Data Collection

Data availability and quality are central to this student redistricting study. Fortunately, Teays Valley Local School District and Pickaway County, Fairfield County, and Franklin County GIS/planning offices have provided a comprehensive collection of system, city, and county data, including:

- A wide array of GIS data;
- Student enrollment data (historic and current);
- Current & planned school facility data;
- Pertinent System policies and procedures.

Data collection efforts have been underway through the summer, and information will continue to be collected throughout the process if it is deemed useful. As the study proceeds, internal planning team and general public members will provide additional information as they bring their experience and perspectives to the study. The public will also provide valuable feedback at the public information meetings and via the community survey that will follow. Finally, TVLSD and Cropper GIS staff will provide data to the internal planning team upon request throughout the life of the study.

#### Phase 2. Data Analysis / Assimilation

Once data is collected, it is necessary to integrate it into GIS to enable quick and efficient analysis and options development. Data assimilation was completed quickly and efficiently because TVLSD already had some of the data in usable formats.

#### Phase 3. Options Development

To expedite the process and empower the internal planning team, the best approach is to begin with a series of baseline redistricting options. These options will be developed with the redistricting criteria in mind. Baseline options will be shared with the internal planning team during their second meeting. Once the options are presented the planning team may:

- Use or disregard the baseline options.
- Improve upon the baseline options.
- Develop new options from scratch.

#### Phase 4. Internal Planning Team

Noted in the timeline on page 4, the internal planning team will meet regularly from September 2024 through December 2024 to analyze data, review attendance zones, and develop zone options. At public information sessions September and November 2024, the work of the team will be shared, and community members will have an opportunity to discuss planning team work with staff and planning team members. Valuable information will also be gathered via a community survey that will take place after the October public information session. School Board action is expected to take place in January 2025.

2

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#### **Stakeholder Responsibilities**

TVLSD seeks planning team and community engagement to achieve the key student redistricting study objectives. The table below describes the roles and responsibilities of the stakeholders that will be involved in the student redistricting study.

Outline of Stakel	nolder Responsibilities
Consultant	<ul> <li>Schedule and facilitate internal planning team meetings.</li> <li>Communicate updates with planning team, including updated handout and meeting schedule logistics.</li> <li>Conduct public meetings to solicit feedback related to draft options that are under consideration.</li> <li>Support the district in providing materials such as presentations, handouts, and online interactive maps for the public's consumption.</li> <li>Coordinate and summarize online feedback received from general public and internal planning team.</li> </ul>
Internal Planning Team	<ul> <li>Consists of key school district administrators including central office, transportation, planning, and school principals.</li> <li>Group will work to review draft options that are being developed in preparation to share with the School Board and public.</li> <li>Review input provided from the consultant and general public regarding draft options and continue to modify maps with a focus on the best solution for all students as a whole.</li> <li>Share a redistricting plan with the School Board</li> </ul>
General Public	<ul> <li>Informed through website.</li> <li>Invited to submit comments and input throughout the entire process.</li> <li>Invited to participate in public information sessions (both virtual and in-person), and to provide input via surveys and online general feedback form.</li> </ul>
School Board	<ul> <li>Charge internal planning team with its responsibilities.</li> <li>Identify questions the planning team is expected to answer.</li> <li>Advise staff and the process regarding policy related considerations and other board-level decisions.</li> </ul>

3





#### **Study Timeline**

The following page presents the study timeline. The timeline places a significant time commitment on student redistricting study internal planning team members from September 2024 through December 2024. Internal planning team members are expected to:

- Meet at least eleven times throughout the duration of the study to analyze attendance zone options.
- Help facilitate two public information sessions by answering questions that the public may have about maps and statistics.

**Process & Timeline for Redistricting** 

	August	September	October	November	December	January
	2024	2024	2024	2024	2024	2025
Data Collection						
Data Analysis / Assimilation						
Redistricting Baseline Options Development						
Internal Planning Team Work (1-2 meetings per month)						
Public Information Session #1 : Present Project Process, Criteria, Timeline, and Redistricting Objectives to Community. Information meeting to public. No Options shared at this point. (Webinar)		9/18				
Public Information Session #2: Present DRAFT Redistricting Options to General Public for Comment/Feedback (In Person)				11/12		
Presentation of Redistricting Plan to the Board of Education					12/16	
Board of Education Vote					12/10	

4



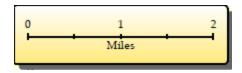


#### **Map Analysis**

Maps provide the opportunity to examine physical and social geography and to discover relationships between places. Maps are included in Appendix B and are given brief analysis here. While this analysis is helpful, each planning team member is urged to closely analyze these maps and share their analysis with other planning team members. The local knowledge and personal insight that each planning team member brings to map analysis will add valuable perspective to this study.

#### Mapping Conventions

When analyzing the maps in Appendix B, keep in mind these common mapping conventions used in each map.



Each map will include a graphic scale bar to indicate distance between features. A graphic scale bar is very helpful to readers who download the background report and use a "zoom" function to examine a small area of a map in detail. Each map will also contain a North Arrow that will help the map viewers determine the direction.



Each map has a legend showing common symbology used in all maps and, sometimes, symbology unique to a single map. Common symbols are used for schools. Squares are elementary schools (red, in color copies). Triangles are middle schools (green, in color copies). Stars are high schools (blue, in color copies). In addition to school location symbology, the legend also shows the color of each individual zone in the map.

5



24-25 ES Zones

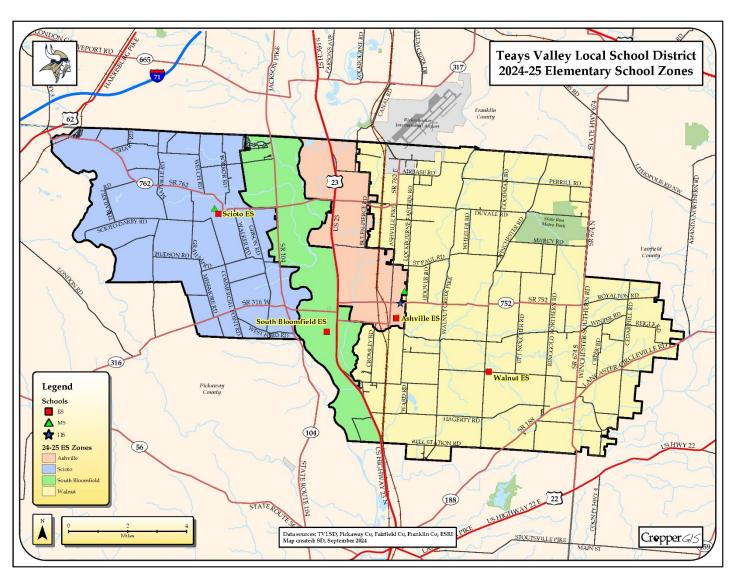
Legend Schools Es



#### Series 1: Current Zone Mapping

#### Teays Valley Local School District, OH, Elementary School Attendance Zones 2024-25

The image below depicts the current 2024-25 Teays Valley Local School District Elementary School Zones. Detailed maps for each grade cohort may be found in Appendix B.



6



#### Series 2: Live-Attend Mapping

#### Teays Valley Local School District, OH, 2024-25 Ashville Elementary Live-Attend Analysis

Map Series 2, located in Appendix B, shows each elementary zone within Teays Valley Local School District along with tables that describe the Live-Attend statistics of each school's student population. Here is an example guide for reading these tables:

Ashville ES	
Total Enrollment (K-5)	401
Out of District	7
Unmatched	0
Total Live-In (K-5)	402
Live and Attend In	376
Live Out, Attend In	25
Live In, Attend Out	26

 $\underline{\text{Total Enrollment (K-5)}} \text{ - number of K-5th students attending Ashville ES}.$ 

<u>Out of District</u> – number of students who live outside of the Teays Valley Local School District yet attend this school.

<u>Total Live-In</u> – number of students who live within the school's attendance zone, who are in the same grade cohort as the school. The grade cohort can change from school to school, depending on the population served. In this case, Ashville ES enrolls K through 5<sup>th</sup> grade students. Therefore, the 'total-live in' statistic here indicates there are 402 K-5<sup>th</sup> grade students living within the Ashville

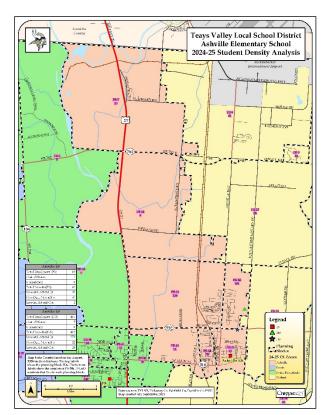
elementary attendance boundary.

<u>Live and Attend-In</u> – number of students (K-5<sup>th</sup> grade) who live within the attendance zone, and also attend that school. In this example, 376 of 401 K-5<sup>th</sup> grade students who live within the Ashville ES attendance zone also attend Ashville ES.

<u>Live-Out, Attend-In</u> – number of K-5<sup>th</sup> grade students who live outside of the Ashville ES attendance zone but attend Ashville ES.

<u>Live-In, Attend-Out</u> – number of K-5<sup>th</sup> grade students who live inside the Ashville ES attendance zone yet attend a different elementary school.

The labels in the planning blocks depict both the planning block ID number (on top) and the number of PS-5th grade students that live in the planning block (bottom).





#### **Online Mapping**

In addition to the physical printed maps, Cropper GIS has also created an interactive online map service. This map service is available at:

https://croppermap.com/Teays\_valley\_oh/

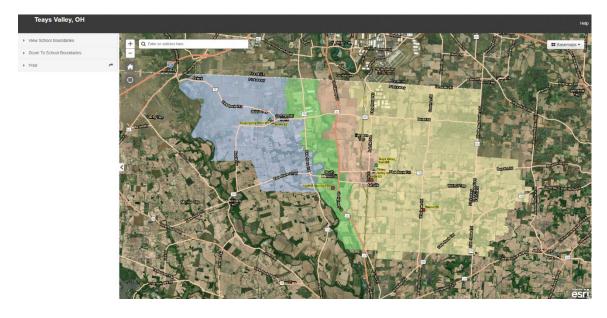
Below are the basic components of this online mapping service for Huber Heights City Schools:

- 1. <u>Menu Options</u> Use these menus to interact with the map.
  - View School Zones: Use this menu to choose which school zone map to view.
  - Zoom to School Zones: Use this menu to zoom to a school zone.
- **Legend:** This shows the active layers that are turned on within the map.
- Print: Use this menu to format and print a map with a title.
- **2. Find Address:** Use this to search for an address and to determine school options.



3. Map Navigation: This is used to zoom in & out. If your mouse has a scroll wheel this will also zoom in and out. If you click on the map screen and drag the mouse it will pan the map.





- 4. Basemaps: Use this dropdown list to determine which basemap to have on in the background.
- **5.** <u>Home Button:</u> Click on this button to zoom the map out to the district's full extent.
- 6. **GPS Location:** Click on this



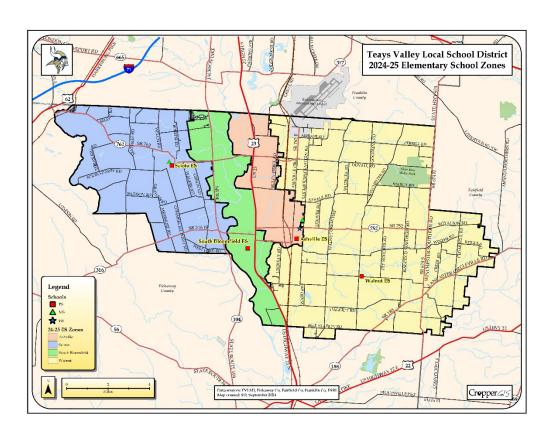
to determine your current location.

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# Teays Valley Local School District, OH 2024-25 Redistricting Study

## **Appendix A: Live-Attend Analysis**





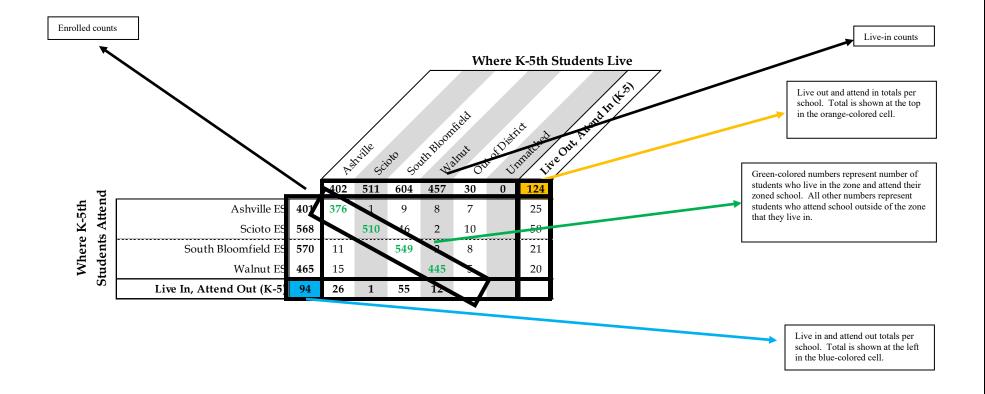


#### **Appendix A: Live-Attend Analysis**

Live Attend Matrix

The following tables display where students live and attend relative to school zones. The schools of attendance are listed on the left while the zones are listed on the top. This student data is from the August, 2024 Teays Valley Local School District student database.

The first column of numbers to the right of the schools of attendance represents the number of students enrolled at each given school. The first row of numbers below the zones represents the total number of students living inside of each given zone. The green-colored numbers represent the number of students who attend the school of the zone in which they live. All other numbers represent students who attend school outside of the zone in which they live. The bottom row represents the number of students that "Live-In and Attend-Out" by school. The blue-colored cell shows the total number of students that "Live-Out and Attend-In" by school. The orange-colored cell shows the total number of students that "Live-Out and Attend-In".



10



#### Where K-5th Students Live Live Out, Assend in U.S. SouthBoomfeld Out of District Unmarched Ashville Students Attend Where K-5th Ashville ES Scioto ES South Bloomfield ES Walnut ES Live In, Attend Out (K-5)

Where 6th-8th Students Live Live Out, Attend in to 89 Teay's latter west Tears Valley taet Out of District Teays Valley East MS Teays Valley West MS Teays Valley Digital Academy Live In, Attend Out (6-8) 

Where 9th-12th Students Live Line Club, Award In 19.12. Out of District Unnathed 1.404 Teays Vally HS 1,386 1,359 Teays Valley Digital Academy Live In, Attend Out (9-12) 

Where 6th-8th Students Attend

Where 9th-12th Students Attend

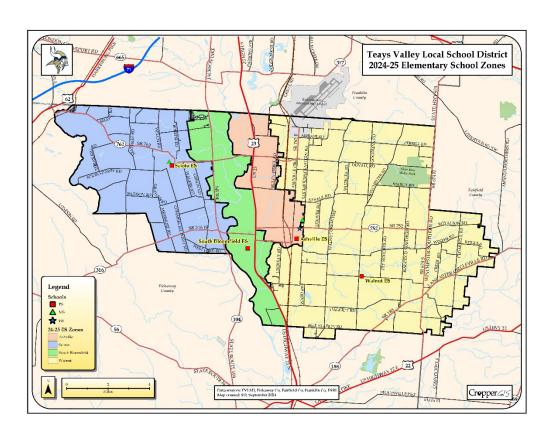


#### Where PS Students Live Live Chu, Attend In 1959 South Hoom thad Out of District Unnathed 39 67 43 **Students Attend** 35 Ashville ES 82 41 5 41 Where PS Scioto ES 79 37 38 41 South Bloomfield ES 26 1 25 1 Walnut ES 0 6 6 Live In, Attend Out (PS) 42 37

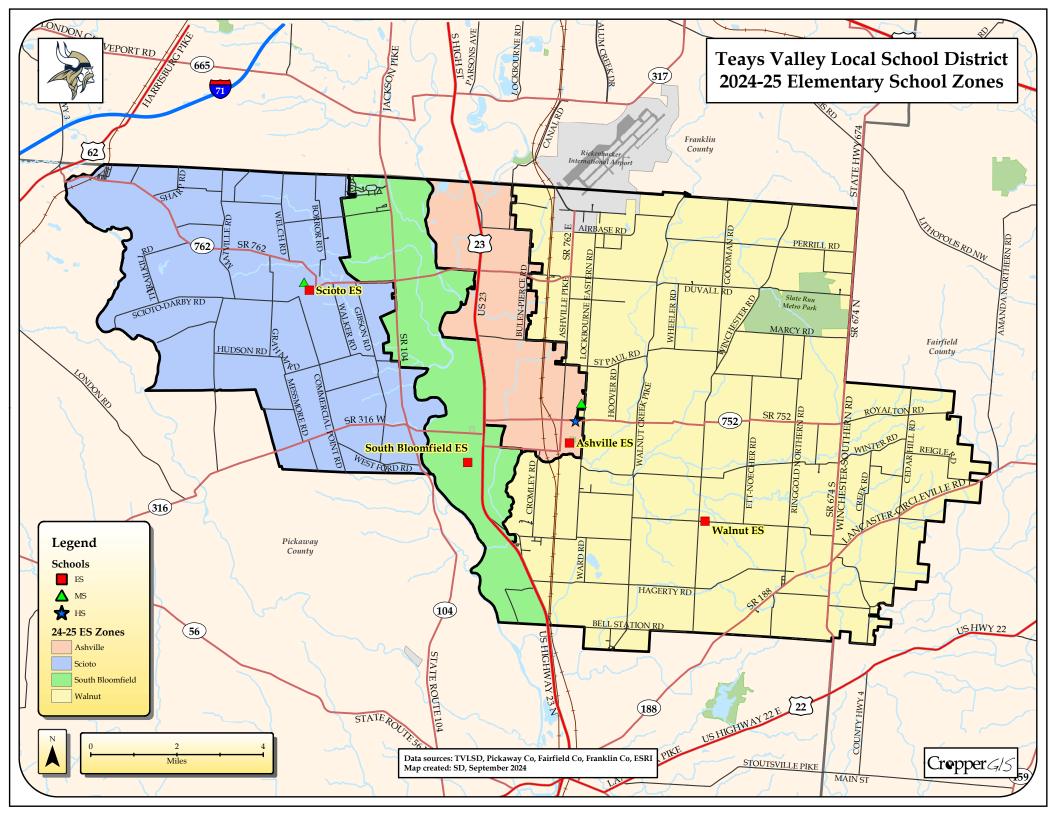


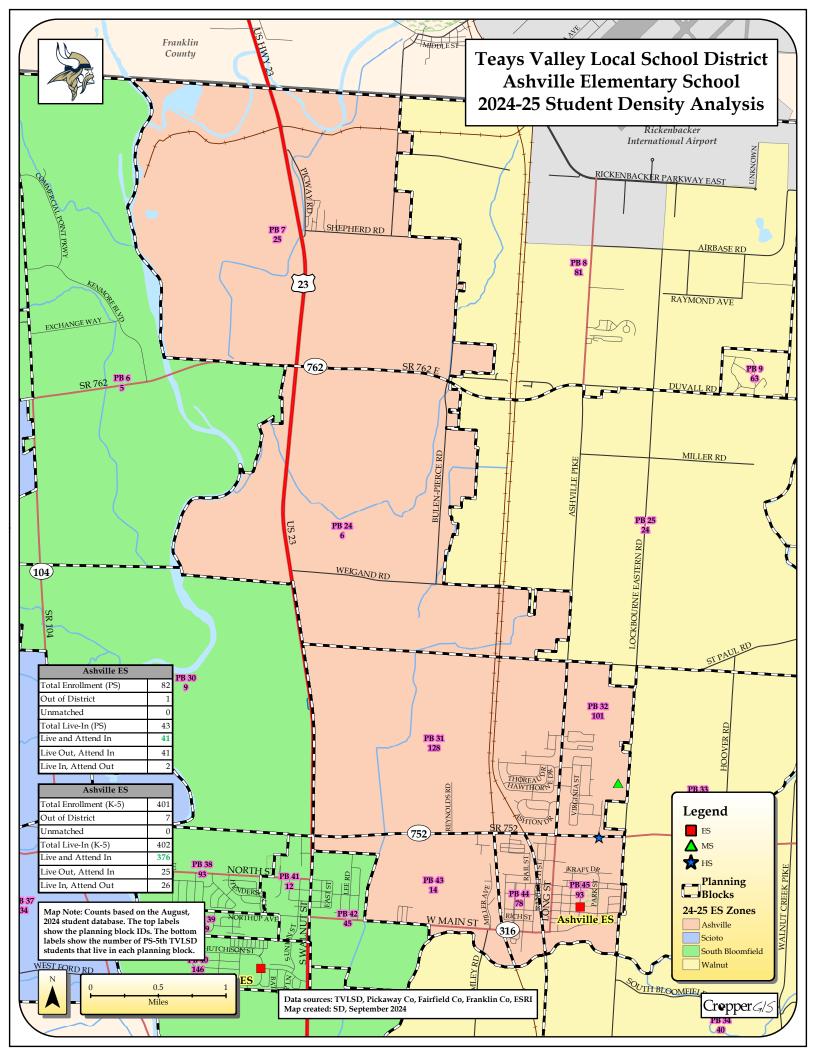
# Teays Valley Local School District, OH 2024-25 Redistricting Study

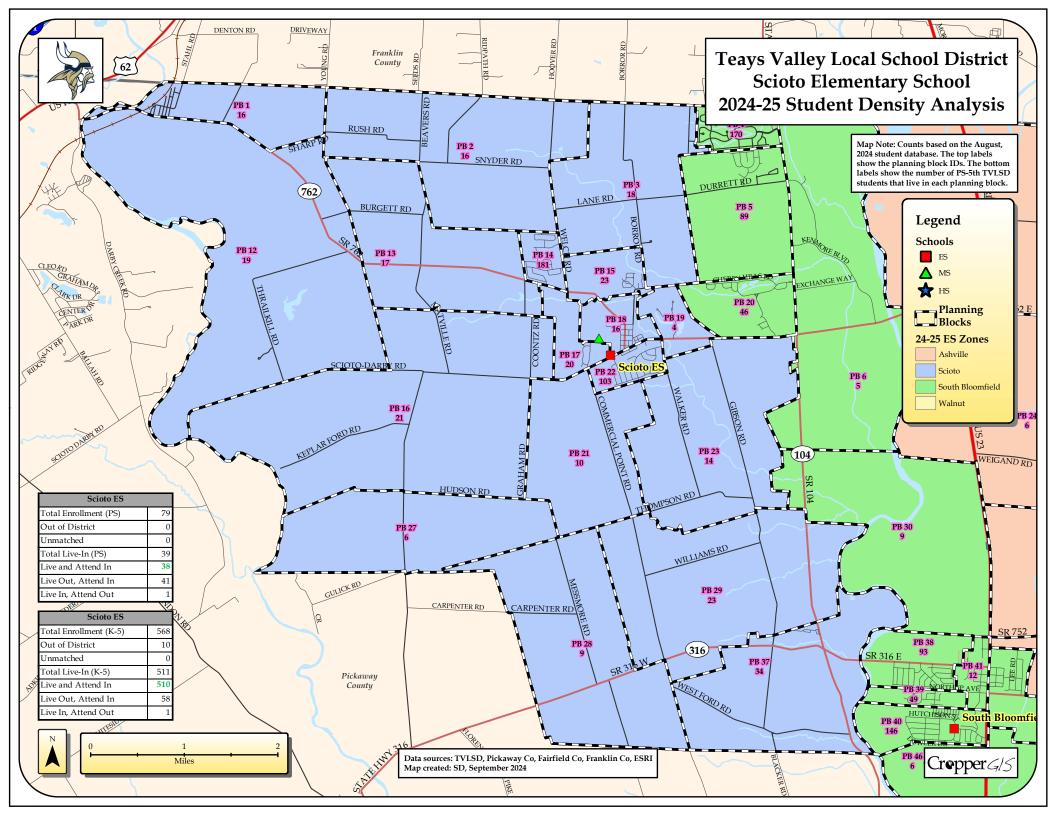
## **Appendix B: Live-Attend Maps**

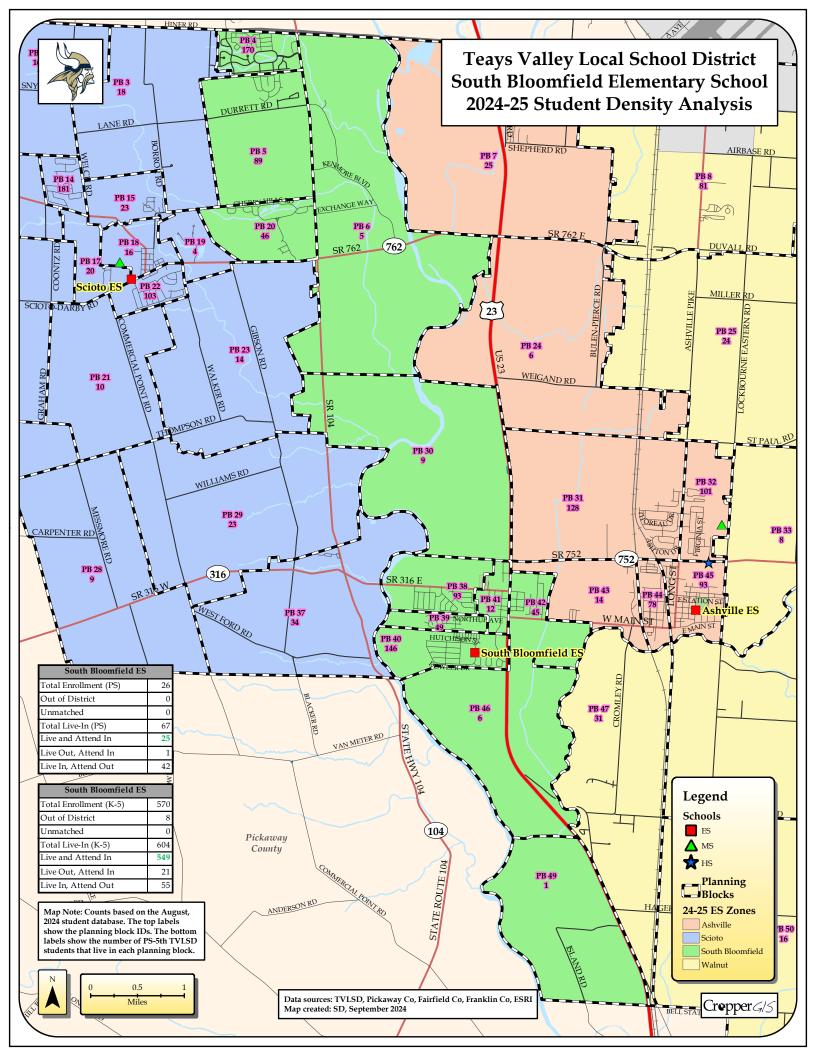


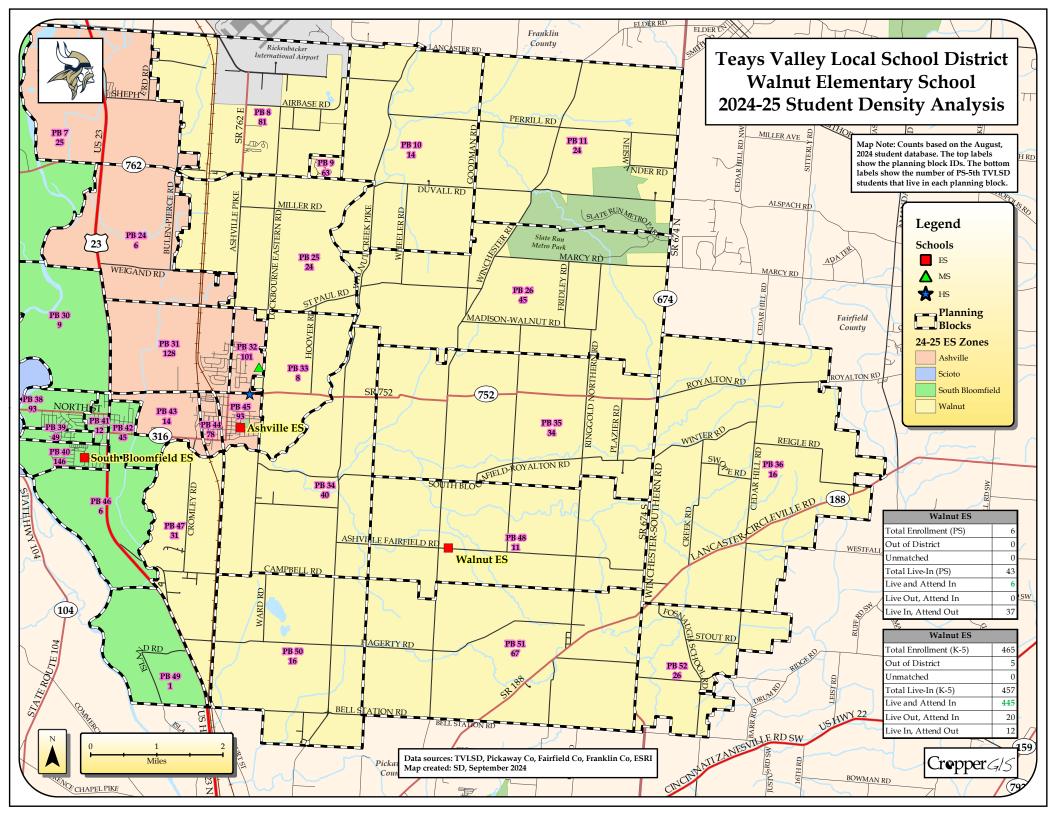


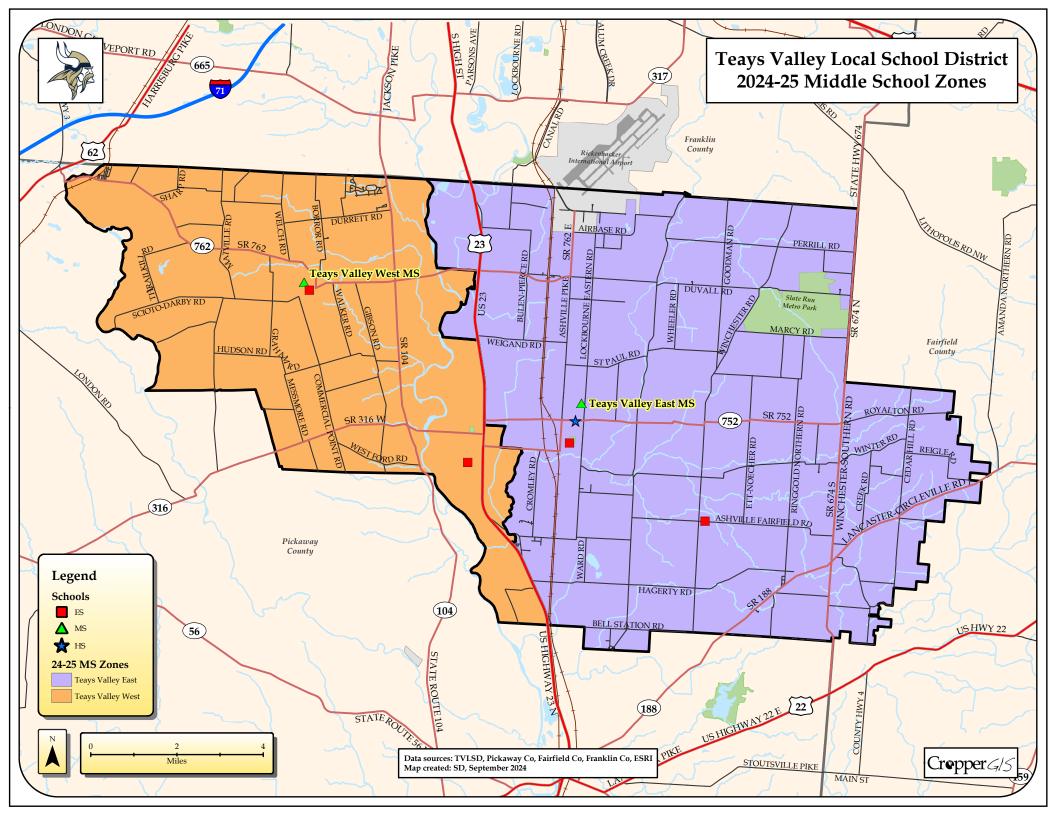


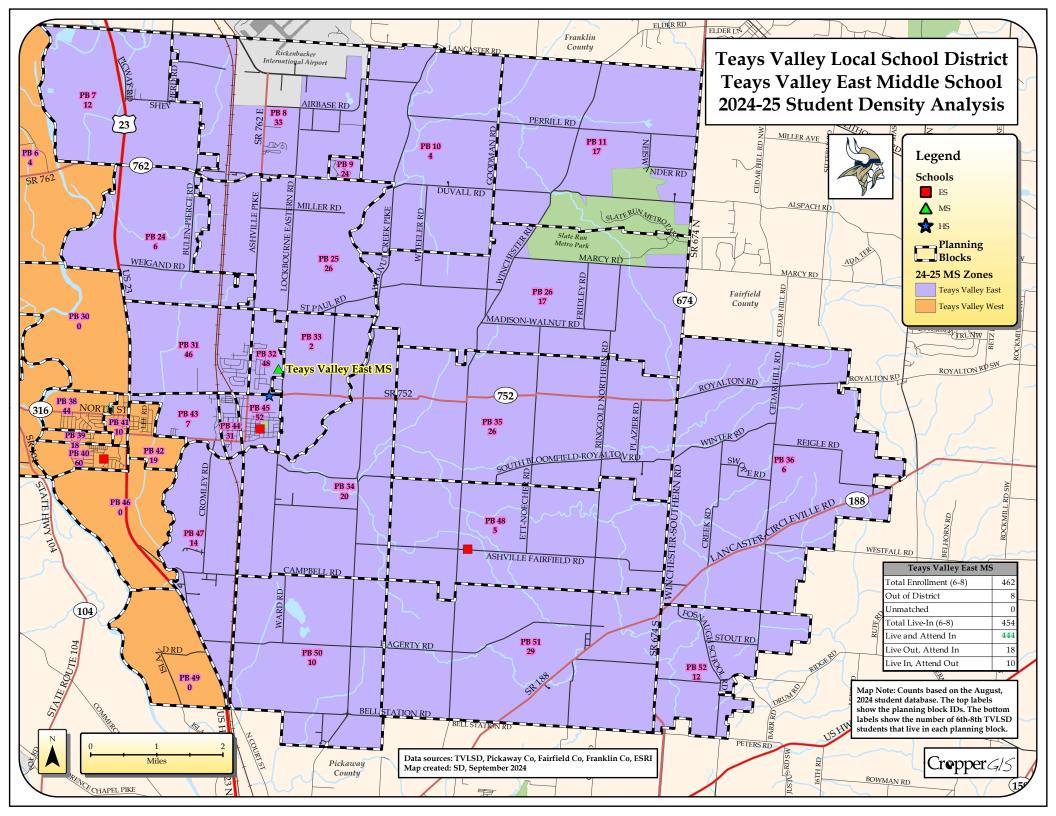


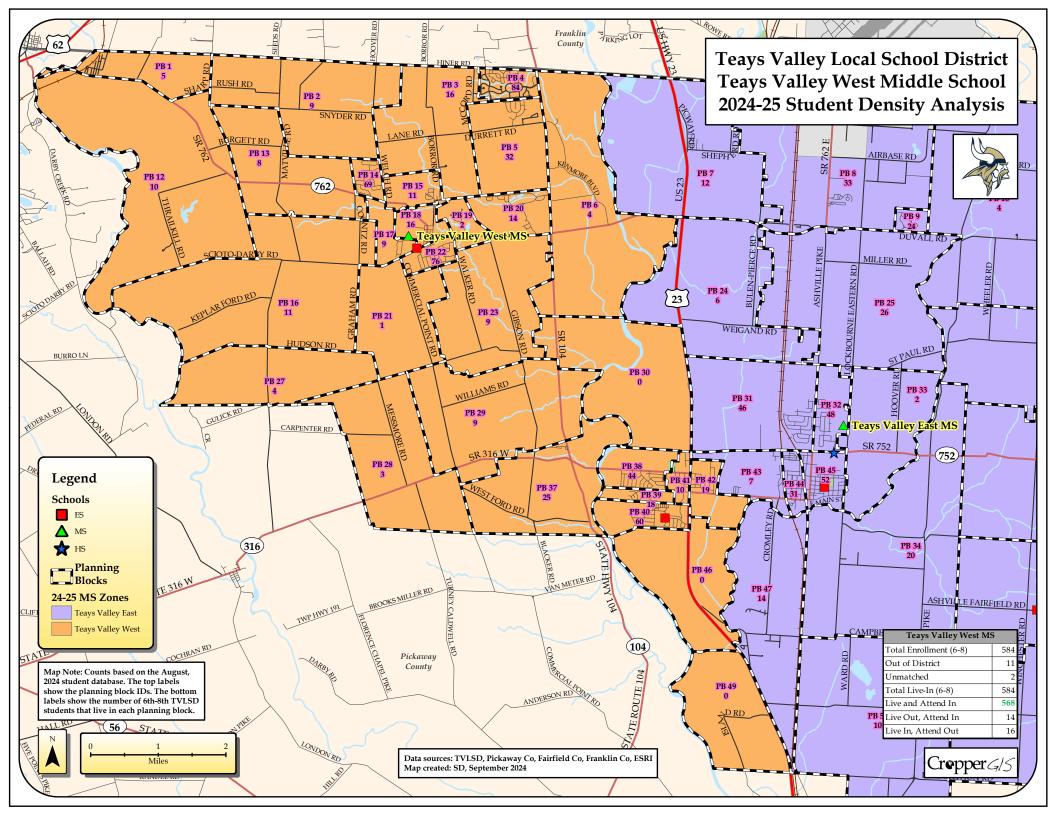


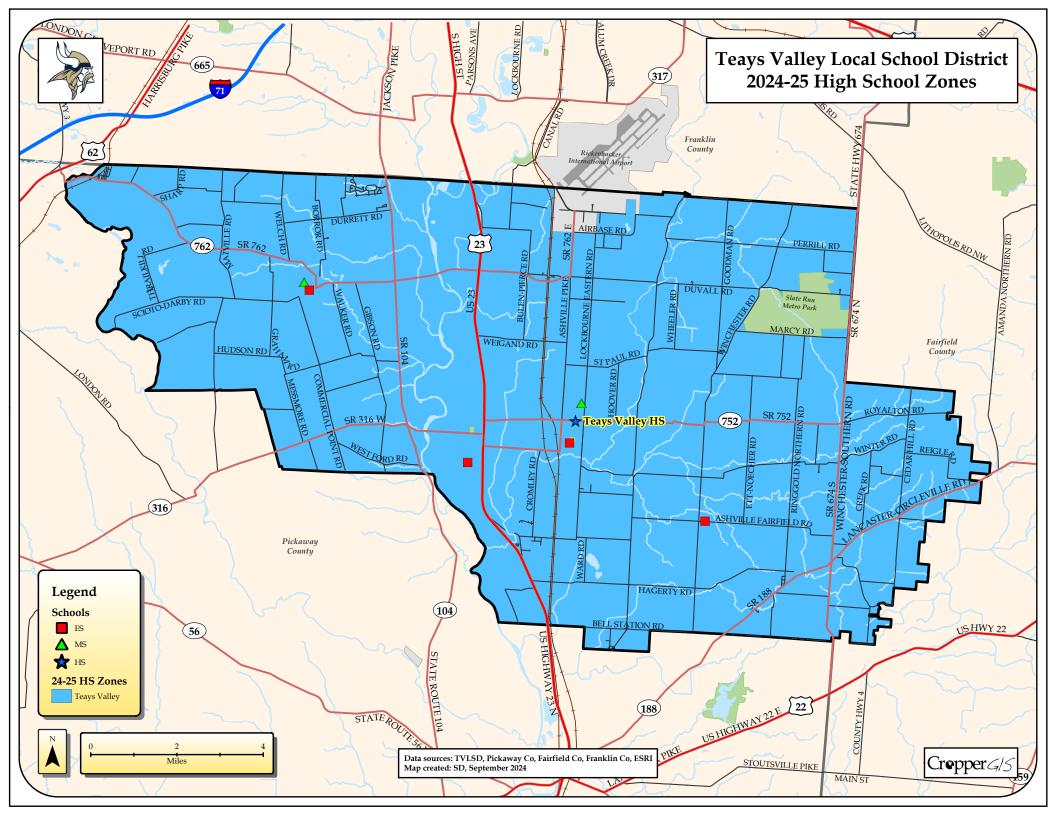


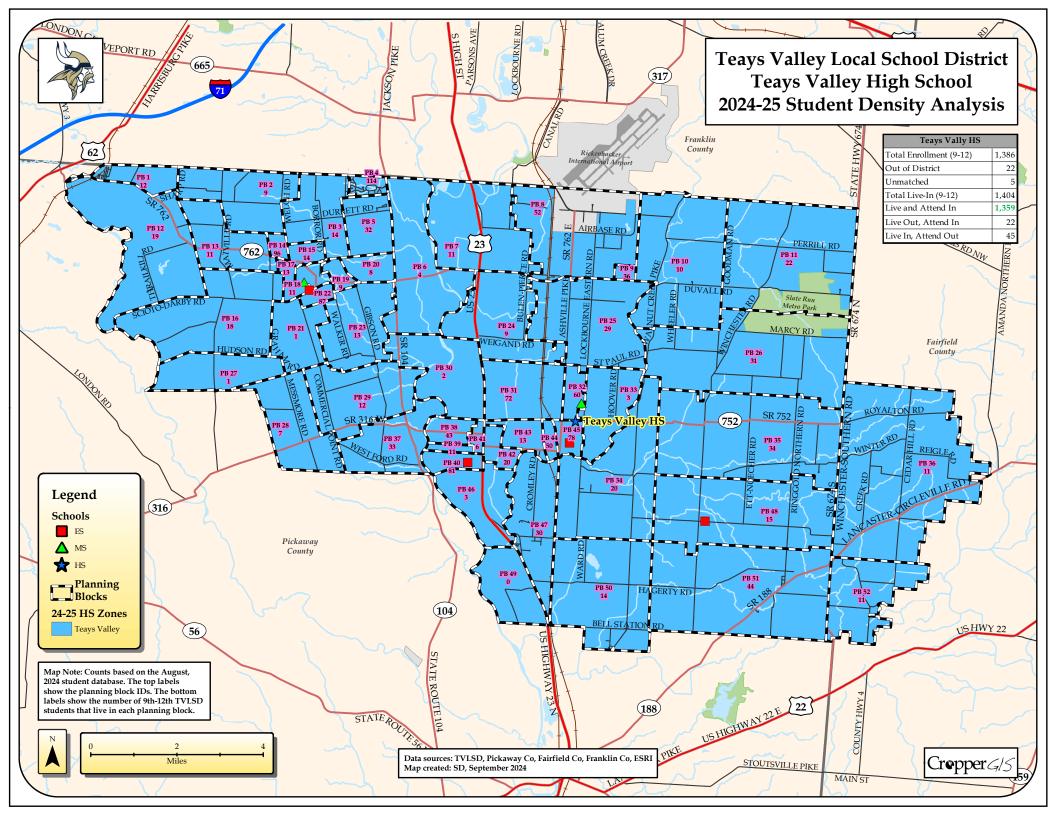








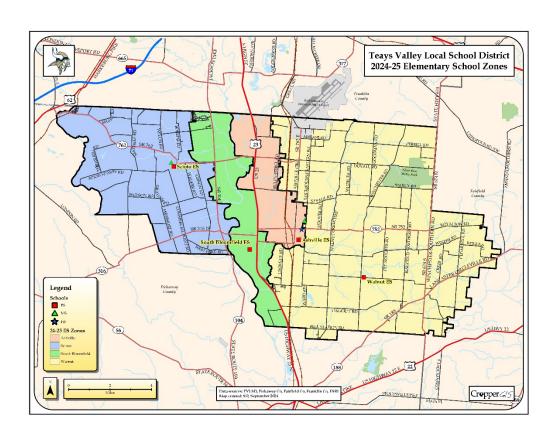






# Teays Valley Local School District, OH 2024 Redistricting Study

## **Appendix C: Enrollment and Utilization Tables**







#### Appendix C: 2024-25 Capacity, Official Enrollment and Building Utilizations

The following document contains a series of tables that depict statistics for current schools and boundaries that are being evaluated. This information will help inform all stakeholders on how schools could be potentially impacted as a result of potential redistricting adjustments. The current student enrollment numbers were derived from the district's August, 2024 student database.

#### **Glossary of Terms**

Capacity - The number of students that an individual school has the physical capacity to enroll and can be reasonably accommodated in a facility.

<u>Utilization</u> - Utilization is the total enrollment divided by the capacity, described as a percentage.

<u>Live-in students</u> - Students residing inside of a school attendance boundary, regardless of where that student attends school.

<u>Live and Attend</u> - Students who attend the assigned schools for the zones where they live.

<u>Live Out Attend In</u> - Students that live outside of their attending school's boundary but reside within the Teays Valley Local School District boundary.

Out of District students – Students that live outside of the Teays Valley Local School District boundary.

<u>Unmatched students</u> - Students whose address was not able to be located by the GIS.



#### **Enrollment and Utilization Tables**

The following tables show current utilization by percentage based on current enrollment and 2023-24 building capacity. Student counts are based on the August, 2024 Teays Valley Local School District student database.

Cells are color coded based on deviation from the standard percentage in each field. The color coding is intended to help the reader of the table quickly identify outliers, both low and high, as compared to the district average. The color coding does not necessarily corelate to what the district considers to be an ideal or problematic scenario. Percentages are rounded.

Within 10% Between 10-15% Over/Under 15%					202	4-25 ES	S Enroll	lment a	and Utilizatio	on	
Elementary School	Capacity	PS*	PS* KG 1 2 3 4 5 Current Current Enrollment Utilization Trend								
Ashville ES	550	41	71	64	72	57	71	66	442	80%	
Scioto ES	740	40	92	88	85	103	97	103	608	82%	_
South Bloomfield ES	550	13	88	91	104	107	79	101	583	106%	-
Walnut ES	550	3	72	72	84	82	67	88	468	85%	_
Total	2,390	97	323	315	345	349	314	358	2,101	88%	~

<sup>\*</sup>Half of actual enrollment of PS students is displayed in this table, due to AM/PM classes.

			2024	1-25 M	and Utilizat	ion	
Middle School	Capacity	6	7	8	Current	Current	Trend
	Capacity	U		0	Enrollment	Utilization	Tiena
Teays Valley East MS	590	173	158	131	462	78%	
Teays Valley West MS	590	202	204	178	584	99%	
Total	1,180	375	362	309	1,046	89%	

		2024-25 HS Enrollment and Utilization								
High School	Capacity	9 10 11 12 Current Current Trend Enrollment Utilization								
Teays Valley High School	1,600	354	389	318	325	1,386	87%			
Total	1,600	354	389	318	325	1,386	87%			

26





### **Demographic Statistics**

The following tables display race and socioeconomic statistics by school based on the August, 2024 student database.

	2024-25 ES Enrolled Ethnicity Percentage										
Elementary School	American Indian or	Asian	Black or African	Hispanic or Latino	Native Hawaiian	White	Multiple Categories	Unknown	Free	Reduced	None
Ashville ES	0%	1%	2%	1%	0%	90%	5%	0%	28%	4%	68%
Scioto ES	0%	1%	2%	2%	0%	88%	6%	0%	22%	3%	74%
South Bloomfield ES	0%	1%	7%	5%	0%	79%	7%	0%	31%	6%	63%
Walnut ES	0%	0%	2%	1%	0%	93%	4%	0%	31%	4%	65%
Total	0%	1%	4%	2%	0%	87%	6%	0%	28%	4%	68%

			Lunch Percentage								
Middle School	American Indian or	Asian	Black or African	Hispanic or Latino	Native Hawaiian	White	Multiple Categories	Unknown	Free	Reduced	None
Teays Valley East MS	0%	1%	1%	1%	0%	94%	3%	0%	35%	6%	59%
Teays Valley West MS	0%	2%	3%	3%	0%	87%	5%	0%	28%	4%	68%
Total	0%	1%	2%	2%	0%	90%	4%	0%	31%	5%	64%

		2024-25 HS Enrolled Ethnicity Percentage									Lunch Percentage			
High School	American Indian or	Asian	Black or African	Hispanic or Latino	Native Hawaiian	White	Multiple Categories	Unknown	Free	Reduced	None			
Teays Valley High School	0%	1%	2%	2%	0%	90%	4%	0%	28%	6%	66%			
Total	0%	1%	2%	2%	0%	90%	4%	0%	28%	6%	66%			



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