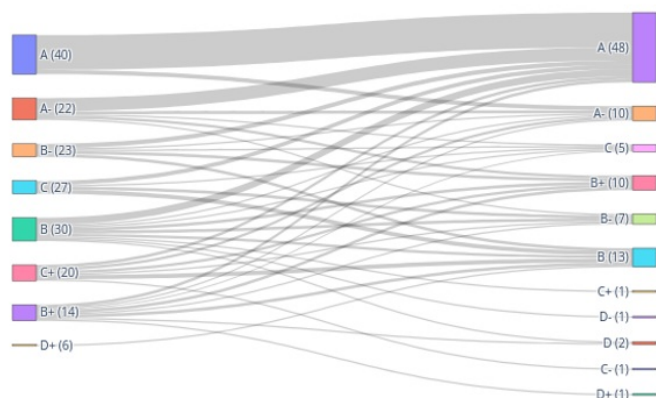


Category	Course	Group	Grade	Count	Percentage
Wasatch HS	MATH1050	In Pilot	A to C-	95	95.96%
			D+ to Fail	4	4.04%
		Not in Pilot	A to C-	34	100.00%
Other CE High Schools	MATH1050	Not in Pilot	A to C-	295	91.33%
			D+ to Fail	26	8.05%
		W	2	0.62%	

Grade Breakdown for Math 1050 Fall 2024



Grade	Wasatch HS	Other CE High Schools
A	58.65%	43.96%
A-	9.02%	7.74%
B+	8.27%	11.76%
B	9.77%	9.91%
B-	5.26%	4.33%
C+	0.75%	6.19%
C	3.76%	4.95%
C-	1.50%	2.48%
D+	0.75%	1.86%
D	1.50%	1.86%
D-	0.75%	2.17%
E		2.17%
W		0.62%

Retention Insight

Of the 227 students originally enrolled in MAT1010, 99 (43.6%) continued to Math 1050 in Fall 2024. Additional students may be enrolled in Spring 2025.

Students in the pilot program are performing in Math 1050 at rates equal to or better than their peers from non-pilot schools.

The most significant transition is from an A in MAT1010 (40 students) to an A in Math 1050 (48 students), suggesting that strong academic performance is being sustained. Students with mid-grades in MAT1010 also show continued success, frequently earning A or B+ in Math 1050.

Student Success Comparison for Math 1010 Full Year Students

Wasatch HS MAT Full Year Pilot with SM3	MAT1010 Junior	A to C-	181	79.74%
		D- or Failing	41	18.06%
		Withdrew	5	2.20%
	Senior	A to C-	53	80.30%
		D- or Failing	10	15.15%
		Withdrew	3	4.55%
Other CE High Schools	MAT1010 Junior	A to C-	62	83.78%
		D- or Failing	9	12.16%
		Withdrew	3	4.05%
	Senior	A to C-	87	75.65%
		D- or Failing	16	13.91%
		Withdrew	12	10.43%

			Junior		Senior	
			% of Tot..	Distinct ..	% of Tot..	Distinct ..
Grand Total			100.00%	227.0	100.00%	66.0
Wasatch HS MAT Full Year Pilot with SM3	MAT1010	A	17.62%	40.0	6.06%	4.0
		A-	9.69%	22.0	13.64%	9.0
		B+	6.17%	14.0	7.58%	5.0
		B	13.22%	30.0	13.64%	9.0
		B-	10.13%	23.0	18.18%	12.0
		C+	8.81%	20.0	12.12%	8.0
		C	11.89%	27.0	7.58%	5.0
		C-	2.20%	5.0	1.52%	1.0
		D+	2.64%	6.0	4.55%	3.0
		D	10.13%	23.0	9.09%	6.0
		D-	4.41%	10.0	1.52%	1.0
		E	0.88%	2.0		
		W	2.20%	5.0	4.55%	3.0

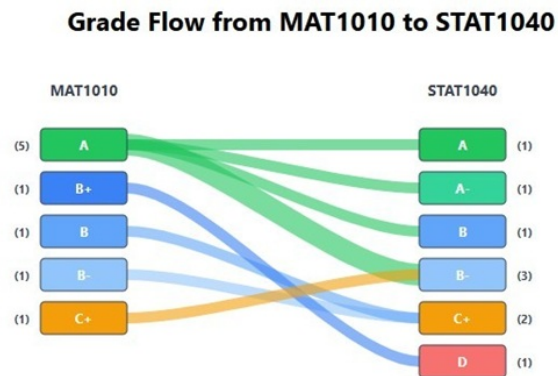
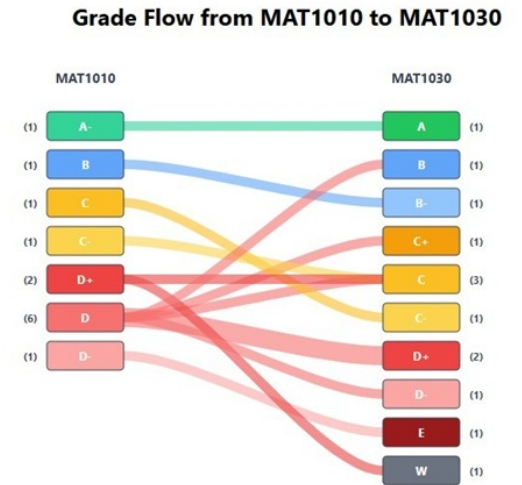
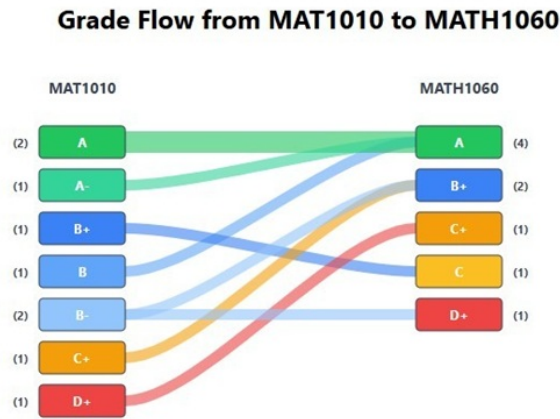
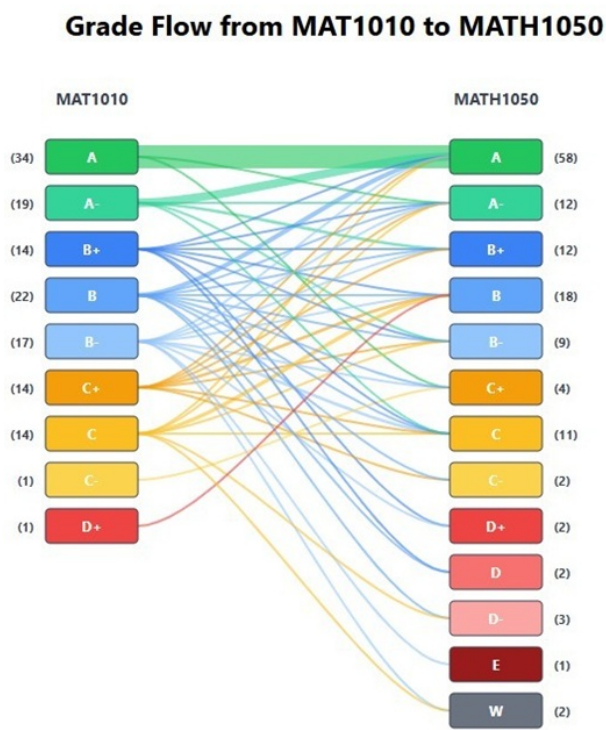
A total of 227 Wasatch High School Juniors participated in the pilot program, with 181 students, or approximately 80%, achieving a grade of C- or higher.

The overall student success rate for Wasatch Juniors (79.74%) is comparable to that of Wasatch Seniors and students from other schools.

The detailed grade distribution also reveals that a higher number of Wasatch Juniors received A's compared to their Senior counterparts in the same class.

Junior and Senior Categories are determined by Student High School Graduation Data in the UVU Banner database.

Wasatch High School Grade flow from 2023-24 Math 1010 Pilot courses to CE subsequent Math Courses



Grade Distribution Patterns

MAT1010 as a Foundation: Across all three pathways, students with higher MAT1010 pilot grades (A, A-, B+) generally maintain strong performance in subsequent CE Math courses, while those with lower grades (D, D-, E) tend to struggle in follow-up courses.

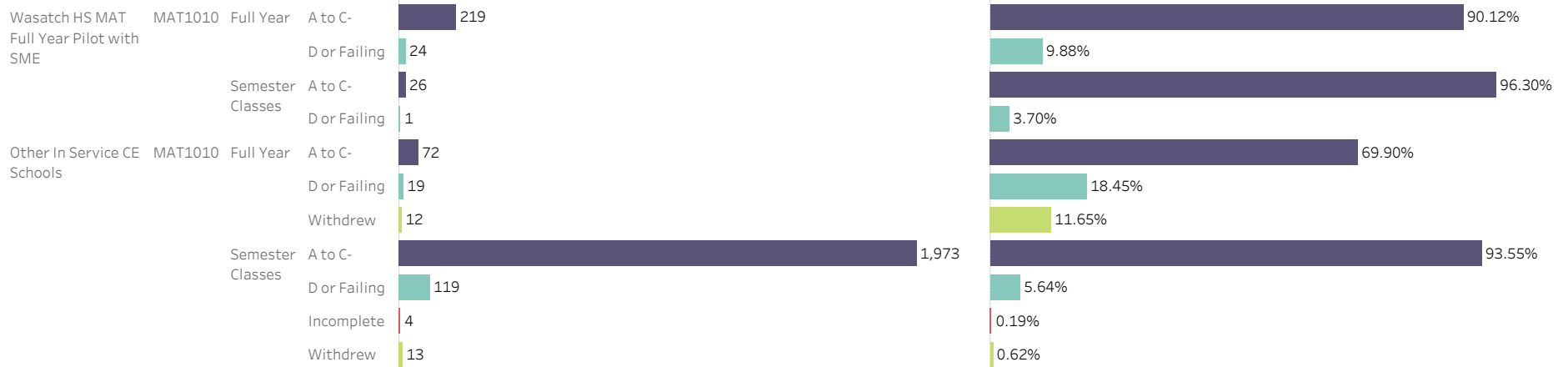
Early Intervention: Math 1010 performance is a critical predictor - students struggling here need immediate support

Course-Specific Outcomes: The flow patterns differ significantly between the four destination courses, suggesting that different mathematical skills or course structures may better suit different student populations.

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2023-24 Wasatch Math Pilot
Operational Data
Wendi Karbakhsh

UTAH VALLEY UNIVERSITY

Student Success Comparison for Math 1010 Full Year Students 2024-25



Grade Breakdown

		Wasatch HS MAT Full Year Pilot with SME	Other In Service CE Schools
MAT1010	A	17.91%	34.90%
	A-	9.86%	12.00%
	B	14.29%	12.29%
	B-	9.05%	6.95%
	B+	7.04%	10.40%
	C	13.48%	7.23%
	C-	3.42%	2.55%
	C+	10.66%	5.30%
	D	6.04%	1.85%
	D-	2.62%	0.99%
	D+	2.01%	1.73%
	E	2.62%	1.93%
	I		0.16%
	UW		0.16%
	W	1.01%	1.56%

Major Performance Differences

Wasatch High School outperformed other schools when comparing full-year to full-year classes:
Success Rate (A-C- grades): 90.12% vs 69.90% at other In-Service CE Schools
Failure Rate: Only 9.88% vs 18.45% at other schools

Surprising Counterintuitive Findings

Semester Classes

The semester model handled nearly 10x more students while maintaining better outcomes, suggesting it may be more scalable and efficient.

Possible Explanations for the Counterintuitive Results

Selection Bias: Schools may have enrolled or Students self-selected more at-risk students or students who needed additional support in full-year classes.

Key Insights

Exceptional Retention: Wasatch had no withdrawals in the full year classes compared to other schools (11.65%), suggesting strong student engagement and support

Pilot Program Success: This data strongly suggests that Wasatch High School's approach to Math 1010 instruction, likely including the SME support model, is significantly more effective than traditional methods used at other schools for full-year classes.