

# Secondary Schedule Task Force

**WORKING DRAFT  
IN PROGRESS**

# Why was this task force formed?

- Community feedback
- Board directive
- Impact of current schedule on district goal improvement
- Research multiple options

# Task Force Deliverables

- Presentation to the Board (Target date of Feb '18)
  - Two - five schedule options
    - Meet surveyed desires of the community
    - Meet district priorities for improving student achievement
    - Additional considerations

# General Considerations, Process, and Timelines

# Team Members

## High School

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## Middle School

Tim Churchill  
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## District Staff

Dr. Mike Cary  
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# Timeline

Date	Description
March 31, 2017	Stakeholder values survey
April 15, 2017	Recruit members for Secondary Schedule Task Force (SSTF).
May/June 2017	District staff gather multiple schedule options and research on scheduling
June 1, 2017	Begin SSTF meetings
August 2017	District staff creates a schedule evaluation rubric following the priorities identified by the SSTF
October 24, 2017	SSTF creates presentation for stakeholder groups
November 2, 2017	SSTF presentation to the Middle and High School Quality Leadership Teams
February 13-15, 2018	Presentations to Ed Committee and Secondary Sites
February 2018	Gather feedback from staff, questions, and considerations
March 2018	Community Presentations

WITHIN EACH  
OPTION,  
SEVERAL  
VARIABLES  
WERE  
CONSIDERED...

APPROXIMATELY 35  
OPTIONS  
WERE REVIEWED

# How Were Options Assessed?

## Alignment to Key District Strategies

Characteristics of strategies included on scoring rubric

MTSS

- Flexible time to support benchmarks
- Interventions from highly qualified teachers
- Time for Tier 1/Core Support
- Time for differentiation, ongoing formative assessment, high student engagement

PLCs

- Common collaborative time by content/grade
- 90+ minutes/week for team time

Safe and Welcoming Environment

- Multiple opportunities to meet individual needs
- Consistent access to support staff before and after the school day
- Reduces number of students/teacher a day



# How Were Options Assessed?

## Survey Results

Top ranked choices used to evaluate each schedule option (in order)

- Enroll in a number of electives
- Access college courses on site
- Access Career and Tech Education courses (Intro to Engineering, Culinary Arts, Graphic Design, etc.)
- Time to engage in critical thinking and problem solving
- Time during class for feedback and support
- Credit Recovery options during the school day
- Length of class period supports in-depth learning
- Fosters relationships between teachers and students
- Minimizes amount of out of school time the student spends focusing on school work

# Examples of Schedule Options That Were Considered

<p><b>8 Period A/B (also known as 4 x 4 A/B)</b> 4 courses/day, 8 courses/semester</p>	<p><b>4 x 4 Straight</b> 4 courses per semester, block length</p>
<p><b>8 Period Straight with Blocks Concurrent</b> 8 period schedule, block combos optional (1-2, 3-4, 5-6, 7-8)</p>	<p><b>4 x 4 A/B</b> 4 courses per day EOD, 8 per semester</p>
<p><b>7 Period Straight</b> 7 periods every day</p>	<p><b>5 x 5 Trimester (no year long)</b> Courses are 1-2 Trimesters long</p>
<p><b>7 Period A/B</b> 7 classes/week, 3 are EOD blocks, 1 meets all week</p>	<p><b>5 x 5 Trimester (AP and Music year long)</b> Only AP and Music are year long</p>
<p><b>7 Period Modified Block</b> 7 periods 3 days/week, 2 days are blocks</p>	<p><b>5 x 5 Trimester (Core year long)</b> Math, Social Studies, English, Science, Music, World Language are year long</p>
<p><b>Module Schedule</b> 18 mods, 2 for study, various lengths by course</p>	

# High School Schedule Recommendations

## Descriptions and Examples

*For comparison purposes, high school examples have used 9:00 – 4:00 to compare minutes.*

*\*Note that minutes/course would be adjusted if length of day differs.*

Schedules	PLC Professional Learning Community	MTSS Multi-Tiered Systems of Support	SAFE & WELCOME		Survey Priorities 1 More Options, 2 Advanced Classes, 3 CTE, 4 Critical Thinking, 5 Feedback and Support
			Kids/Week (teachers) Teacher/Week (students) Transitions through Hallway/Day		
<b>Current 6 period day</b>	<b>7:45-8:45</b>	<b>WIN 30 Min</b>	<b>5 classes/day</b>	<b>6 transitions</b>	<b>3, 4, 5</b>
7 period modified block	same	little longer	little fewer	more	1, 2, 3, 4, 5
7 A/B (M-Th block, Fri 7 period day)	same	same	same	fewer	1, 2, 3-, 4, 5
Straight 7	same	same	same	more	1, 2, 3, 4, 5
5x5 Trimester, A/B courses every other day	same	same	more	fewer	1, 2, 3, 4, 5
8 A/B	same	same	more	fewer	1, 2, 3, 4, 5
4 x 4 Straight	same	same	fewer	fewer	1, 3+, 4, 5
Straight 8 w/blocks concurrent	same	same	more	more	1, 2, 3
Module Schedule	split?	shorter/longer	same	?	1?, 2,3, 4, 5
5x5 Trimester, AP/Music year-long	same	same	more	fewer	1, 2, 4
5x5 Trimester, no year-long classes	same	same	fewer	fewer	1,2,4,5
6 A/B (Same as current but every other day blocks)	same	same	same	fewer	2, 3, 4, 5

# HS: Scoring Sheet for Evaluating Schedules

9:00-4:00	Classes Taught / Day	#Students per Teacher / Term (est. 35 students/ section)	Student minutes in Class/ Day- NORMAL period	Student minutes in Class/ Day- BLOCK period	Hours per term in class (.5 or 1.0 courses)	Credits / Student / Year
CURRENT: 6 Period Day <i>(red is 9:00-3:24)</i> <i>(blue 9:00-4:00 for comparison purposes)</i>	5/day	175/semester	<i>48/period</i> <i>288/day</i> <i>54/period</i> <i>324/day</i>	No Blocks	<i>69/Semester</i> <i>138/Year</i> <i>77/Semester</i> <i>144/Year</i>	6 credits
7 Period Modified Block	Teaching 5 classes/ blocked 2 days per week	175/semester	45/period 315/day (single)	92/block class 45/period day 5 every day 322/day	68/ Semester 136/ Year	7 credits
7 A/B (M-Th Block, Friday 7 period day)	3/day	175/semester	All Blocks	92/block 368/day	66/ Semester 132/ Year	7 credits
Straight 7	5/day	175/semester	45/period 315/day	No Blocks	64.5 hrs / Semester 129 hrs / Year	7 credits
5x5 Trimester, A/B courses are every other day	5/day	140/trimester for EOD classes: 280/trimester	5 classes 66 min each 66/period	No Blocks	63 hrs / Trimester 126 / 2 Trimesters 95 hrs EOD	7.5 credits

# High School Schedule Options Time and Ratio Details

<b>Duluth's 6 Period Day (Current Schedule)</b>	
Zero Hour	8:07 – 8:55
Period 1	9:00 – 9:48
Period 2	9:53 – 10:41
WIN	10:46 – 11:16
Period 3	11:21 – 12:09
Period 4A	12:14 – 1:02
Lunch (first)	12:14 – 12:44
Period 4B	12:49 – 1:37
Lunch (second)	1:07 – 1:37
Period 5	1:42 – 2:31
Period 6	2:36 – 3:24

HS: Six Period Day (Current)

Period/Time	Monday	BLOCK DAYS	Tuesday	Wednesday	Thursday	Friday
1st Period 9:00-9:45	American History	BLOCK 1-2 9:00- 10:33	Period 1: American History	Period 2: German 3	American History	American History
2nd Period 9:50-10:35	German 3				German 3	German 3
3rd Period 10:40-11:25	Geometry	BLOCK 3-4 10:40-12:13	Period 3: Geometry	Period 4: Ceramics	Geometry	Geometry
4rd Period 11:30-12:15	Ceramics				Ceramics	Ceramics
5A 12:20-1:05 Lunch 1:10-1:40 Lunch 12:20-12:50 5B 12:55-1:40	English 10	5A 12:20-1:05 Lunch 1:10-1:40 Lunch 12:20-12:50 5B 12:55-1:40	English 10	English 10	English 10	English 10
WIN 1:45-2:15	WIN	WIN 1:45-2:15	WIN	WIN	WIN	WIN
6th Period 2:20-3:05	Health	BLOCK 6-7 2:22-3:55	Period 6: Health	Period 7: Biology	Health	Health
7th Period 3:10-3:55	Biology				Biology	Biology

# HS: 7 Period Modified Block (Showing 1 sem only)

Period/Time	Semester 1		Semester 2	
	A Day	B Day	A Day	B Day
1st BLOCK 9:00- 10:33	Freshman Seminar	Freshman Choir	Civics	Freshman Choir
2nd BLOCK 10:40-12:13	German I	Physical Education	German I	Drawing and Painting
(Skinny period) 5A 12:20-1:05/Lunch 1:10-1:40 Lunch 12:20-12:50/5B 12:55-1:40	English 9	English 9	English 9	English 9
WIN 1:45-2:15	WIN	WIN	WIN	WIN
3rd BLOCK 2:22-3:55	Geometry	Physical Science	Geometry	Physical Science

HS: 7 Period A/B (blocks with one “skinny”)



Period/Time	Semester 1	Semester 2
1st Period 9:00-9:45	Advanced Band	Advanced Band
2nd Period 9:50-10:35	German 2	German 2
WIN 10:40-11:10	WIN	WIN
3rd Period 11:15-12:00	Algebra 2	Algebra 2
4A 12:05-12:50/Lunch 12:55-1:25 Lunch 12:05-12:35/4B 12:40-1:25	Biology 10	Biology 10
5th Period 1:30-2:15	English 10	English 10
6th Period 2:20-3:05	American History 10	American History 10
7th Period 3:10-3:55	Ceramics and Sculpture	Introduction to Engineering

# HS: Straight 7

Period/Time	Trimester 1		Trimester 2		Trimester 3	
	A Day	B Day	A Day	B Day	A Day	B Day
1st Period 9:00-10:06 (66 m)	Advanced Band	AP Language and Composition	Advanced Band	AP Language and Composition	Advanced Band	AP Language and Composition
2nd Period 10:11-11:17	Algebra 2		Algebra 2		Drawing and Painting	
WIN 11:22-11:52	WIN		WIN		WIN	
3A 12:32-1:38/ Lunch 11:57-12:27 Lunch 1:08-1:38/3B 11:57-1:03	Spanish 4		Chemistry		Chemistry	
4th Period 1:43-2:49	World History		Construction		World History	
5th Period 2:54-4:00	Psychology				Spanish 4	

HS: 5 x 5 Trimester: A/B option

Period/Time	Trimester 1	Trimester 2	Trimester 3
1st Period 9:00-10:06 (66 m)	Advanced Band	Team Sports	Advanced Band
2nd Period 10:11-11:17	Algebra 2	Algebra 2	Drawing and Painting
WIN 11:22-11:52	WIN	WIN	WIN
3A 12:32-1:38/ Lunch 11:57-12:27 Lunch 1:08-1:38/3B 11:57-1:03	Spanish 4	Chemistry	Chemistry
4th Period 1:43-2:49	World History	Construction	World History
5th Period 2:54-4:00	Psychology		Spanish 4

HS: 5 x 5 Trimester: NO A/B OPTION

# Middle School Schedule Recommendations

## Descriptions and Examples

*For comparison, middle school used 8:45 am – 3:15 pm to compare minutes.*

*\*Note that minutes/course would be adjusted if length of day differs.*

8:45-3:15	Current 6 Period Day + WIN	Concept 7 Period + WIN (18 min)	Concept 5 Block Trimester + WIN	Concept 4X4 Hybrid + WIN
WIN minutes	31	30	30	30
Passing Time	35	40	30	35
Lunch	30	30	30	30
Class Length	49	44	60	85/40
Total Minutes Per Day	390	408	390	390
Class Days Per Year	173	173	115 or 58	173 or 86/87
Class Minutes Per Year	8477/4238	7612 or 3806	6900 or 3480	14705 & 3440/3480
WIN minutes Per Year	5363	5190	5190	5190
Frequency of Class in Schedule	6 + WIN	7 + WIN	7.5 + WIN	10 + WIN
	(2 sem/class & 1 sem class)	(2 sem/class & 1 sem class)	(2 tri/class)	(2 sem/class & 1 sem skinny class)

# Middle School Comparison

8th Grade	Semester One	Semester Two
1	Math	Math
2	Earth Science	Earth Science
3	English	English
	WIN (30 minutes)	WIN (30 minutes)
4	Global Studies	Global Studies
5	Health	Physical Education
6	Elective	Elective
7	Elective*	Elective*

6/7th Grade	Semester One	Semester Two
1	Math	Math
2	Life Science	Life Science
3	English	English
	WIN (30 minutes)	WIN (30 minutes)
4	US Studies	US Studies
5	Physical Education	Music
6	Computers/Ind Tech	Art/FACS
7	Elective*	Elective*

Middle School: Straight 7 Period (44 min)

8th Grade	Semester One	Semester Two
Block 1	Global Studies	Earth Science
Block 2	English	Elective
		Health
	WIN (30 Minutes)	WIN (30 Minutes)
Block 3	Elective	*Elective
	*Elective	*Elective
Block 4	Physical Education	*Elective
	Math	Math

6th/7th Grade	Semester One	Semester Two
Block 1	MN/US Studies	Physical/Life Science
Block 2	English	Comp/Ind Tech
		Art/FACS
	WIN (30 Minutes)	Win (30 Minutes)
Block 3	Music	*Elective
	*Elective	*Elective
Block 4	Physical Education	*Elective
	Math	Math

Middle School: 4x4 Hybrid – 85/40 minutes

8th Grade	Trimester One	Trimester Two	Trimester Three
Block 1	Math	Math	Physical Education
Block 2	English	English	Health
	WIN (30 minutes)	WIN (30 minutes)	WIN (30 minutes)
Block 3	Earth Science	Earth Science	Elective
Block 4	Global Studies	Global Studies	Elective
Block 5	*Elective	*Elective	*Elective

6th/7th Grade	Trimester One	Trimester Two	Trimester Three
Block 1	Math	Math	Music
Block 2	English	English	PE
	WIN (30 minutes)	WIN (30 minutes)	WIN (30 minutes)
Block 3	Physical/Life Science	Physical/Life Science	Art/Incl Tech.
Block 4	MN/US Studies	MN/US Studies	Comp/FACS
Block 5	*Elective	*Elective	*Elective

# Middle School: 5 Block Trimester Day (60 Minutes)



# Cost Considerations

Schedule Name	Number of periods per day	Formal grading terms	Course length (in grading periods)	Number of full year course equivalents per student per year	Number of periods taught by teachers per day	Number of grading term length courses per year	Impact on Certified FTE
Six Period Day	6	2	One Or Two Semesters	6	5	10	No impact (current schedule)
Five Period Trimester No A/B Options	5	3	One Or Two Trimesters	7.5	4	12	Total FTE increase of over 4%, impact on specific departments will vary based on student course choice (up or down), fewer FTE needed to cover required courses, more FTE needed to cover student choices
4 Period Block	4	2	One Semester Or 1/2 Semester	8	3	6	Total FTE increase of over 11%, impact on specific departments will vary based on student course choice (up or down), fewer FTE needed to cover required courses, more FTE needed to cover students choices.
Seven Period Traditional	7	2	One Or Two Semesters	7	5	10	Total FTE increase of 16.7%, impacts on specific departments will vary based on student choice, all departments should stay stable or increase
7 Period A/B	4	2	One Or Two Semesters	7	2 blocks and 1 skinny period; 3 blocks one day, 2 the next	10	Total FTE increase of 16.7%, impacts on specific departments will vary based on student choice, all departments should stay stable or increase
7 Period Modified Block	7	2	One Or Two Semesters	7	2, 3 or 5 (depending upon day of week and course length)	10	Total FTE increase of 16.7%, impacts on specific departments will vary based on student choice, all departments should stay stable or increase

# Staffing Comparison

Initial Staffing Cost Increase

10 Year Staffing Cost Estimate

## **\*Transportation estimates for 7 period day assumes an earlier start to student day**

**Cost estimate of contracting 27 additional first tier buses:**

- 27 first tier buses
- \$266.50 per bus per day (2017-18 rates)
- 173 school days
- Total estimated cost for one school year – approximately \$1.25 million

**Cost estimate of adding 10 additional special needs buses:**

- 10 first tier special needs buses
- \$266.50 per bus per day (2017-18 rates)
- Bus Helpers at \$87.48
- 173 school days
- Total estimated cost for one school year – approximately \$612K

## Estimate of Potential Curriculum Revision Costs

Depending on the schedule selected, there may be upfront costs to rework pacing of units and content covered within individual courses.

- Examples
  - Keep same course structure and sequence, but adjust unit length, coverage of topics within each course and assessments to fit new schedule
    - Assumes two staff working on each course at current curriculum development rate for 40-80 hours each
      - Only address required courses (or their equivalents)
        - 55-60 courses
          - \$176,000-\$384,000
      - Address all courses
        - 215 courses
          - \$688,000-\$1.37 million