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# Wayne Township Public Schools

## HIGH SCHOOL BLOCK SCHEDULING PROPOSAL

Presented to Board of Education  
October 4, 2018  
Public Work Session

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# Why Block Scheduling?



As a district, we are constantly reflecting on our practices with the goal of providing our students with a diverse and well-rounded educational learning environment. The **rotating drop schedule** is structured to provide the campuses with more of a collegiate feel, which provides students more flexibility in their schedules. The longer periods will allow for staff to integrate varied learning experiences and an deeper understanding of a more focused curriculum.

# 1. What is Block Scheduling?

**All block scheduling models** create more instructional time because there is less traveling. There are three dominant models...

→ **Traditional 4X4** - On the 4 x 4 Block, the school day is divided into four instructional blocks, each of which is approximately 90 minutes and the school year is divided into two semesters or terms.

→ **Traditional A/B Day**

A/B block school schedule has three or four longer class periods per day, as opposed to the traditional seven or eight period day. Each student takes between six and eight classes at one time, but goes to only three or four classes per day for 90 minutes each.

→ **Hybrid-Rotating Drop**

The Rotating Drop schedule is structured to provide the campuses to have a collegiate feel which provides students more flexibility in their schedules. The longer periods (58 minutes) will allow for staff to integrate varied learning experiences and an deeper understanding of a more focused curriculum.

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**How much instructional time will be gained for high school students by moving to a block schedule?**

# **270 minutes per class!**

**This amounts to more than a week of school per year, per class, in the same contractual time frame.**

	<b>Current Schedule</b>	<b>Proposed Rotating Block</b>	<b>Minutes Gained/Lost</b>
<b>5 Credit Course</b>	<b>7,560 Minutes</b>	<b>7,830 Minutes</b>	<b>+270 Minutes</b>
<b>5 Credit Course w/lab out</b>	<b>6,300 Minutes</b>	<b>7,830 Minutes</b>	<b>+1,530 Minutes</b>
<b>Science Course</b>	<b>8,820 Minutes</b>	<b>8,730 Minutes</b>	<b>- 90 Minutes</b>

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# What are the differences in schedules?

## Current Schedule

- 8 Academic Periods (1 Lunch)
- 8 Academic (1 Lunch) Periods that meet each day
- Period length = 42 minutes
- Current labs come out of PE or designated elective course once a week.
- 32 Minutes of passing time between periods over the course of the day.
- Three 42 minute lunch periods

## Proposed Schedule

- 8 Academic Periods
  - 6 of 8 Academic Periods meet each day
  - Period Length = 58 Minutes
  - Labs will no longer come out of PE or elective courses.
  - Labs will meet during the lunch period once every four days for 20 minutes
  - 16 Minutes of passing time between periods over the course of the day.
  - One 54 minute lunch period
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## Important Points

The block schedule would involve a four day rotation, and:

- Students have six classes per day
- Each class lasts for 58 minutes
- Two classes are dropped every day
- Unit Lunch of 54 minutes

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# What would a rotating block schedule look like at Wayne Valley and Wayne Hills?

	Day 1 (4 & 8 Drop)	Day 2 (3 & 7 Drop)	Day 3 (2 & 6 Drop)	Day 4 (1 & 5 Drop)
<b>Session 1 AM</b> 7:20 - 8:18	Period 1	Period 4	Period 3	Period 2
<b>Session 2 AM</b> 8:22 - 9:20	Period 2	Period 1	Period 4	Period 3
<b>Session 3 AM</b> 9:24 - 10:22	Period 3	Period 2	Period 1	Period 4
<b>Unit Lunch</b> 10:22 - 11:16				
<b>Session 1 PM</b> 11:16 - 12:14	Period 5	Period 8	Period 7	Period 6
<b>Session 2 PM</b> 12:18 - 1:16	Period 6	Period 5	Period 8	Period 7
<b>Session 3 PM</b> 1:20 - 2:18	Period 7	Period 6	Period 5	Period 8

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# Schedule Comparison

## Current Schedule

Period 1	7:20 - 8:08
Period 2	8:12 - 8:54
Period 3	8:58 - 9:40
Period 4	9:44 - 10:26
Period 5	10:30 - 11:12
Period 6	11:16 - 11:58
Period 7	12:02 - 12:44
Period 8	12:48 - 1:30
Period 9	1:34 - 2:16

## Proposed Rotating Schedule

	Day 1 (4 & 8 Drop)	Day 2 (3 & 7 Drop)	Day 3 (2 & 6 Drop)	Day 4 (1 & 5 Drop)
Session 1 AM 7:20 - 8:18	Period 1	Period 4	Period 3	Period 2
Session 2 AM 8:22 - 9:20	Period 2	Period 1	Period 4	Period 3
Session 3 AM 9:24 - 10:22	Period 3	Period 2	Period 1	Period 4
Unit Lunch 10:22 - 11:16				
Session 1 PM 11:16 - 12:14	Period 5	Period 8	Period 7	Period 6
Session 2 PM 12:18 - 1:16	Period 6	Period 5	Period 8	Period 7
Session 3 PM 1:20 - 2:18	Period 7	Period 6	Period 5	Period 8

# Examples of Schedule

## Student Schedule

	Day 1 (4, 8 Drop)	Day 2 (3, 7 Drop)	Day 3 (2, 6 Drop)	Day 4 (1, 5 Drop)
Session 1 AM 58 Minutes 7:20 - 8:18	Programming In Java Period 1	AP Physics 1 Period 4	Robotics I Period 3	Spanish III E Period 2
Session 2 AM 58 Minutes 8:22 - 9:20	Spanish III E Period 2	Programming In Java Period 1	AP Physics 1 Period 4	Robotics I Period 3
Session 3 AM 58 Minutes 9:24 - 10:22	Robotics I Period 3	Spanish III E Period 2	Programming In Java Period 1	AP Physics 1 Period 4
Lunch 54 Minutes 10:22 - 11:16	Unit Lunch	Unit Lunch	Unit Lunch	Unit Lunch
Session 1 PM 58 Minutes 11:16 - 12:14	PE/Health Period 5	AP Calculus AB Period 8	US History II E Period 7	English 11 E Period 6
Session 2 PM 58 Minutes 12:18 - 1:16	English 11 E Period 6	PE/Health Period 5	AP Calculus AB Period 8	US History II E Period 7
Session 3 PM 58 Minutes 1:20 - 2:18	US History II E Period 7	English 11 E Period 6	PE/Health Period 5	AP Calculus AB Period 8

## Teacher Schedule

	Day 1 (4, 8 Drop)	Day 2 (3, 7 Drop)	Day 3 (2, 6 Drop)	Day 4 (1, 5 Drop)
Session 1 AM 58 Minutes 7:20 - 8:18	Calculus H Period 1	Algebra 1 E Period 4	Unified IV H Period 3	Study Hall Period 2
Session 2 AM 58 Minutes 8:22 - 9:20	Study Hall Period 2	Calculus H Period 1	Algebra 1 E Period 4	Unified IV H Period 3
Session 3 AM 58 Minutes 9:24 - 10:22	Unified IV H Period 3	Study Hall Period 2	Calculus H Period 1	Algebra 1 E Period 4
Lunch 54 Minutes 10:22 - 11:16	Unit Lunch	Unit Lunch	Unit Lunch	Unit Lunch
Session 1 PM 58 Minutes 11:16 - 12:14	Unified IV H Period 5	Non-Instructional Period 8	Algebra 1 E Period 7	Non-Instructional Period 6
Session 2 PM 58 Minutes 12:18 - 1:16	Non-Instructional Period 6	Unified IV H Period 5	Non-Instructional Period 8	Algebra 1 E Period 7
Session 3 PM 58 Minutes 1:20 - 2:18	Algebra 1 E Period 7	Non-Instructional Period 6	Unified IV H Period 5	Non-Instructional Period 8

## Examples of Teacher Schedules with Duties

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# **SPECIAL CONSIDERATIONS**

# Music/Instrumental Instruction

- Students will be assigned a day of the week and time for their lessons. (Such as Tuesdays, first half of 2nd block)
- Their assigned time will flip halfway through the year. (Tuesday, first half of 5th block)
- With the rest of the schedule rotating, students will not miss more than 2 hours of any class over a full year.
- Students will be able to make up time if they need to miss a lesson.

[Instrumental Instruction Overview](#)

# Automotive

- Wayne Hills students will travel to Wayne Valley only when periods run back to back.
- Example of [Teacher Schedule](#).

	Day 1 (4, 8 Drop)	Day 2 (3, 7 Drop)	Day 3 (2, 6 Drop)	Day 4 (1, 5 Drop)
Session 1 AM 58 Minutes 7:20 - 8:18	PE/Health Period 5	English 12 Period 4	Robotics I Period 3	CAD 2 Period 2
Session 2 AM 58 Minutes 8:22 - 9:20	CAD 2 Period 2	PE/Health Period 5	English 12 Period 4	Robotics I Period 3
Session 3 AM 58 Minutes 9:24 - 10:22	Robotics I Period 3	CAD 2 Period 2	PE/Health Period 5	English 12 Period 4
Lunch 54 Minutes 10:22 - 11:16	Unit Lunch	Unit Lunch	Unit Lunch	Unit Lunch
Session 1 PM 58 Minutes 11:16 - 12:14	<i>Auto Brakes Period 5 At Valley</i>	College Algebra Period 8	Philosophy Period 7	<i>Auto Brakes Period 6 At Hills</i>
Session 2 PM 58 Minutes 12:18 - 1:16	<i>Auto Brakes Period 6 At Valley</i>	<i>Auto Brakes Period 5 At Valley</i>	College Algebra Period 8	Philosophy Period 7
Session 3 PM 58 Minutes 1:20 - 2:18	Philosophy Period 7	<i>Auto Brakes Period 6 At Valley</i>	<i>Auto Brakes Period 5 At Hills</i>	College Algebra Period 8

# Child Development - Project Teach

- [CD 3](#) students will be able to do their observation/teaching when session is at the end of the day or when its comes after lunch.

	Day 1 (4, 8 Drop)	Day 2 (3, 7 Drop)	Day 3 (2, 6 Drop)	Day 4 (1, 5 Drop)
Session 1 AM 58 Minutes 7:20 - 8:18	Non-Instructional Period 1	Fashion I Period 4	Fashion II/III Period 3	Fashion I Period 2
Session 2 AM 58 Minutes 8:22 - 9:20	Fashion I Period 2	Non-Instructional Period 1	Fashion I Period 4	Fashion II/III Period 3
Session 3 AM 58 Minutes 9:24 - 10:22	Fashion II/III Period 3	Fashion I Period 2	Non-Instructional Period 1	Fashion I Period 4
Lunch 54 Minutes 10:22 - 11:16	Unit Lunch	Unit Lunch	Unit Lunch	Unit Lunch
Session 1 PM 58 Minutes 11:16 - 12:14	Child Dev. 1 Period 5	Child Dev. 3 Period 8	Child Dev. 2 Period 7	Child Dev. 1 Period 6
Session 2 PM 58 Minutes 12:18 - 1:16	Child Dev. 1 Period 6	Child Dev. 1 Period 5	Child Dev. 3 Period 8	Child Dev. 2 Period 7
Session 3 PM 58 Minutes 1:20 - 2:18	Child Dev. 2 Period 7	Child Dev. 1 Period 6	Child Dev. 1 Period 5	Child Dev. 3 Period 8



# Structured Learning Experience (SLE)

- Afternoon would run separate from the rotation to account for students have consistency in reaching their work placements
- Current structure has students having lunch beginning at 12:02 (Period 7) and their work placements starting at 12:48 (Period 8) through the remainder of the day.

	Day 1 (4, 8 Drop)	Day 2 (3, 7 Drop)	Day 3 (2, 6 Drop)	Day 4 (1, 5 Drop)
Session 1 AM 58 Minutes 7:20 - 8:18	Period 1	Period 4	Period 3	Period 2
Session 2 AM 58 Minutes 8:22 - 9:20	Period 2	Period 1	Period 4	Period 3
Session 3 AM 58 Minutes 9:24 - 10:22	Period 3	Period 2	Period 1	Period 4
Lunch 54 Minutes 10:22 - 11:16	Unit Lunch	Unit Lunch	Unit Lunch	Unit Lunch
Session 1 PM 58 Minutes 11:16 - 12:14	SLE Class	SLE Class	SLE Class	SLE Class
Session 2 PM 58 Minutes 12:18 - 1:16	Work Exp.	Work Exp.	Work Exp.	Work Exp.
Session 3 PM 58 Minutes 1:20 - 2:18	Work Exp.	Work Exp.	Work Exp.	Work Exp.

# Other Special Considerations

- Sharing Staff: Sharing of staff can only occur between high schools due to the rotation/meeting times.
  - Foreign Language
    - Design a schedule where appropriate staff are shared between Wayne Hills/Wayne Valley
    - Review sharing of staff with Middle School full time to teach appropriate languages and sections.
  - Chorus
    - One teacher travels between Wayne Hills and Wayne Valley.
    - One teacher would travel between appropriate Middle Schools





# Unit Lunch

- 54 Minute Lunch includes passing time
- All Students will have Lunch same period
  - Seniors will still be allowed to leave campus
- Duty free lunch for staff
- Kiosks will be stationed in various locations
- Utilization of gym with tables for students
- Students will have access to Media Center
- Stipend positions available for lunch duty
- Allows for activities, extra help to occur during the school day



# SCHOOL LUNCH

In order for the block schedule to be successful, a new school lunch model will have to be developed which will allow all students to each lunch at the same time during a 54 minute lunch period.

In order to accommodate the increased number of students receiving school lunch at the same time, the district will need to invest in:

- 1) Expanding Service to Include Remote Kiosks/Serving Lines
- 2) Operational Equipment
- 3) Additional Point of Service Units
- 4) Plumbing Work
- 5) Electrical Work



# SCHOOL LUNCH

## Inventory of needed equipment:

Kiosks/Serving Lines

Pizza Ovens

Open Air Refrigerators

Smallware (pots, pans, baskets, serving utensils)

Icemakers

POS Units

Coffee Makers

Hot Food Warmers

Convection Ovens

## Total Cost of Equipment

\$162,225.00 with a possible reduction based on corporate equipment sponsor.



# FACILITY COSTS

## PLUMBING

\$48,000 \*

## ELECTRICAL

\$11,000 \*

## FURNITURE

\$104,000 \*

## CUSTODIAL SUPPORT

\$56,000 #

\* One Time Cost  
# Ongoing Cost



# Special Education

- **More time for extra help/More opportunity to engage in Extracurricular Activities**
- **Programs that do not follow our traditional schedule will continue as they currently run. i.e. SOAR, LLD, Young Adult**
- **Currently, our Transition program at both High Schools allocates its time in a block schedule fashion**
- **Structured Learning Experiences will continue to be offered.**
- **Professional development will be provided to staff that work with student populations that may be of concern.**



# Professional Development

- Committee has focused on PD from the inception
- School Visitations
- Outside Trainers
  1. Understand the instructional changes necessary for student engagement when teaching on a block schedule
  2. Utilize strategies that support students as they pursue academic independence

## Topics

- Challenges and Concerns
- Pacing, Planning and Sequencing
- Technology Integration
- Student Questions for Purposeful Learning
- Academic Rigor on a Block

# Districts with Block Scheduling

Glen Rock (#2) • Chatham (#4) • West Morris Mendham (#7)  
• Livingston (#8) • West Windsor-Plainsboro North (#13) •  
Northern Valley Regional (#15) • Hopewell Valley (#16) •  
Montville (#18) • Verona (#24) • Madison (#26) • Governor  
Livingston (#30) • Cranford (#31) • Randolph (#32) •  
Ridgewood (#36) • Holmdel (#43) • Watchung Hills Reg. (#46)  
• Highland Park • Kinnelon (#48) • Cherry Hill East (#66) •  
Paramus (#67) • River Dell (#74) • Mt. Olive (#93) •  
Morristown (#101) • Lawrence (#102) • Mainland Regional  
(#104) • North Brunswick • Egg Harbor Township •  
Hackettstown • Phillipsburg

# Block Scheduling Timeline

BLOCK SCHEDULE  
THINKTANK

LEARNING  
UNIT LUNCH  
Benefits and  
Drawbacks

DETAILS, DETAILS,  
DETAILS,  
OUTLIERS  
Expanding  
Discussion

SCHOOL AND  
COMMUNITY  
FEEDBACK  
Mock Schedules  
and Options

2014/2015

2015/2016

2016/2017

2017/2018

Discussions,  
Dialogue &  
Research Findings

Facility  
Walkthroughs,  
meetings with Sodexo  
Site Visits (Randolph,  
Madison, West  
Morris  
Central/Medham)

Staff surveys,  
committee meetings,  
AP, traveling  
teachers, child  
development, CTE,  
labs, FAQ, Site Visits  
(NVRHS, Glen Rock)

Site based committee  
meetings , including PTO  
presidents /  
representatives from  
each HS including faculty  
& admin school  
visitations (Mahwah,  
Randolph, Tenafly)



# Frequently Asked Questions

- What do these differences mean for our students?
  - Classes rotate. Rotation ensures that classes meet at different times during the day, avoiding monotony of current schedule.
  - Students will only have to prepare for 6 classes per day, instead of 8.
  - Unit Lunch allows for students and staff a common time to interact, socialize, provide/receive extra help, meet, etc to occur during the school day.
- What does going from 42 - 58 minutes mean for instruction?
  - Longer periods will allow for more in-depth analysis, critical thought, and increased rigor across all curricula. An increased emphasis in inquiry-based instructional opportunities and project based activities will provide varied learning experiences for all students. Courses can utilize a more differentiated approach to activities such as student-centered and collaborative learning activities. Many of our Advanced Placement (AP) will now be able to incorporate assessments and reading/writing activities that parallel those they will see on the AP Exam. The rotation also allows for students to only focus on six classes per day instead of the current eight courses.

# FAQ Cont.

- How can the entire school share one lunch and be accommodated in the Cafeteria?
  - All students will have a common, Unit Lunch, which will require additional seating and several kiosks (serving hot and cold food) to be added throughout the building. It is anticipated that a number of the seniors will continue to leave the building during the lunch period due to their senior privilege. The additional tables in the gym and the opening of a set of bleachers will allow the school to accommodate seating for all students at the same time.
- How will the common Lunch period affect students?
  - The Unit Lunch allows for many benefits to our staff and students. The staff/students can attend/provide extra help sessions, socialize, and meetings. With these experiences occurring during the lunch period, students will have less conflicts after school. Students will also have the opportunity to decompress and unwind as they prepare for their afternoon slate of courses.
- What effects will the schedule have on the program of studies?
  - Our school will be able to continue to provide students with a diverse and well-rounded curriculum. Program offerings such as Child Development, Automotive, and Structured Learning Experiences (SLE) will continue to run with minor to no changes.

# Start/End Time Discussion

At 7:20 AM, Wayne high schools have the second earliest start time among the high schools in our area with West Milford having the only start time earlier than Wayne.

For discussion purposes, if Wayne went ahead with the median start time (in the middle) of the other area high schools, the high school day would start at 7:42 AM (+22 minutes)

## DISTRICT IMPACT WITH 7:42 AM START TIME

<b>LEVEL</b>	<b>START(AM)</b> Current/+22m.	<b>END (PM)</b> Current/+22m.
<b>HS</b>	<b>7:20/7:42</b>	<b>2:16/2:38</b>
<b>MS</b>	<b>8:00/8:22</b>	<b>2:45/3:07</b>
<b>ES</b>	<b>8:55/9:17</b>	<b>3:20/3:42</b>

# **A Special Thanks...**

**For the insights given to us by our student leaders from Student Council, Peer Leaders, National Honor Society and other student groups at both Wayne Hills and Wayne Valley High Schools.**

**For the time and insights provided to the committee by parent representatives, Carolyn Radler and Maureen Machado, from both Wayne Hills and Wayne Valley High Schools.**

**For the many staff members of both Wayne Hills and Wayne Valley High Schools that went on several visits to other school districts.**