

# NBJH Master Schedule and Math Instructional Minutes

# Math Instructional Minutes

1. Core Math: Too many standards to cover in a 40-minute per day class
2. Single Accelerated Path: 3 years of core content in 2 years
3. Double Accelerated Path: 2 years of core content in 1 year

# Math Instructional Minutes

4. Instructional model matters, and it's greatly impacted by time.
  - a. Teacher-centered instruction = lecture format, but more efficient for covering content
  - b. Student-centered learning = better instruction, but requires more time
  - c. Depth of understanding and retention of concepts and skills greatly enhanced by student-centered learning

# Math Instructional Minutes

5. Curricular materials designed for 60-minute period
6. Local districts

District	JH Math Mins.	
Prospect Heights 23	40	8
Wilmette District 39	40	
North Shore District 112	40	
River Trails 26	42	
Northbrook District 27	42	
Glenview District 34	42	
Glencoe District 35	42	
Morton Grove 70	47	
Winnetka District 36	54	13
Wheeling 21	60	
Sunset Ridge 29	60	
West Northfield District 31	60	
Avoca District 37	60	
Kenilworth 38	60	
Aptakisic Tripp District 102	60	
Lincolnshire Prairie View 103	60	
Deerfield District 109	60	
Lake Bluff 65	62	
Glenview Northbrook Dist 30	74	
Mt. Prospect 57	76	
Golf 67	80	

Northbrook District 28	40
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District	JH ELA Mins.	
Winnetka District 36	55	9
Golf 67	60	
Wheeling 21	60	
Sunset Ridge 29	60	
Avoca District 37	60	
Kenilworth 38	60	
Aptakisic Tripp District 102	60	
Deerfield District 109	60	
Lincolnshire Prairie View 103	66	
Lake Bluff 65	70	12
Prospect Heights 23	80	
Wilmette District 39	80	
West Northfield District 31	80	
Glenview Northbrook Dist 30	80	
Mt. Prospect 57	80	
Northbrook District 27	82	
Glenview District 34	82	
Glencoe District 35	84	
River Trails 26	84	
North Shore District 112	86	
Morton Grove 70	94	

Northbrook District 28	80
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# Master Schedule

- The perfect master schedule does not exist.
- Unique challenges with every model.
- Over time, each school gets accustomed to and accepts their schedule's idiosyncrasies.
- Minor adjustments can be made to the schedule from one year to the next.

# Master Schedule

- Components are interconnected.
- One change can throw off the entire schedule.
- Master Schedules are about trade-offs.
- Each school's master schedule is unique - no two are the same.



# Master Schedule Considerations

1. Acceptable amount of time for all courses
2. Reasonable class size
3. Student cohort sizes: how many students in a grade level?(180 students compared to 210)
4. Length of school day
5. Multiple course pathways for ELA, Math, World Language

# Master Schedule Considerations

6. Common plan time for collaboration and consistent curriculum implementation
7. Amount of cross-grade level teaching
8. Band/Orchestra/Choir Rehearsals (7:45 - 8:30 a.m.)
9. X-block & Interventions (currently 30 minutes, daily)

# Master Schedule Considerations

- 10. Different grade level bell schedules and ability to schedule students for PE and Electives
- 11. Availability of teaching space
- 12. Tutorial (8:15 - 8:32 a.m.)

## Thus far...

- Collected and reviewed bell schedules/ELA & math minutes from approximately 20 other schools.
- Discussions with other principals and administrators.
- 1st Q: Can minor modifications be made to meet our goal?  
Explored many ideas to “steal” a few minutes here and there.

# Thus far...

- Worked with consultant to identify some examples.
- Working with faculty to more completely understand the nuances and impacts.

# Three Final Points

When we account for all the variables,  
we will have a workable master schedule,  
not a perfect one,  
that will be improved upon from year to year.