

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
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
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
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
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.