



MATH TEAM

2011-2012

The Math Team at Whitefish Bay High School is an ever-changing group of students. A tryout process prior to each team competition allows any student who is interested in Math Team a chance to compete!

Approximately two weeks before each contest a tryout is held. The tryout consists of taking an old contest from a previous competition and provides excellent practice solving challenging mathematical problems. The tryout process allows us to determine the students who will compete at that particular event.

The Math Team is composed of different students for each meet. A student is not obligated to compete in all contests after competing in one.

Team events provide trophies and medals to the top teams and top-scoring individuals. In addition, there are several individual competitions throughout the year. The contests that are planned for the 2011-2012 school year are listed below.

The Math Team advisors this year are Ms. Woodnorth and Ms. Best.

Marquette Math Meet

Sunday, October 16

This is an individual and team competition that is held at Marquette University High School. Students compete at the Beta level (Geometry or higher) or at the Gamma level (Algebra 1). There is no tryout for this contest and we may take up to 30 participants. You will receive information about this contest from your math teacher. Last year we took 2nd place at this meet.

MSOE Math Meet

Monday, November 21

The Milwaukee School of Engineering (MSOE) math meet is a team competition against approximately 30 schools from across the state of Wisconsin. It is held at MSOE during the school day. We take a team of 8 students that compete at the varsity level. Last year we earned 2nd place among 24 teams.

MAA competition

December

The MAA competition is an individual contest of math aptitude held at Whitefish Bay High School. It is the first of a sequence of progressively more selective individual contests. Students who score well will be asked to compete in the American Mathematics Competition (AMC) in February. The MAA is a multiple-choice competition with a system that rewards students for not guessing randomly.

North Shore Math Competition

February

This is a team competition among schools in the North Shore conference. We will bring a varsity team of 8 students with two alternates and a junior varsity team of 8 with 2 alternates. This year's contest will be held at Nicolet High School. We are the defending conference champions!

AMC 10/12

February

The AMC 10/12 is the second level of individual competitions intended to identify mathematically talented students. The AMC 12 is a varsity level competition, but is open to students in grades 10-12. The AMC 10 is a junior varsity level competition and is open to students in grades 9-10. We will invite approximately 30 students to take the AMC 12 and approximately 20 students to take the AMC 10 based on their MAA scores from December.

State Math Meet

late February

The State Math Meet is a varsity level competition with a team of 8 that competes against other high schools from throughout the state of Wisconsin. The competition is normally held here at Whitefish Bay High School and results are sent to state contest officials for scoring. Last year our team placed first at the state meet. We have won this competition 9 out of the last 11 years.

American Invitational Math Exam (AIME) March

The AIME is the third level of individual competitions intended to identify mathematically talented students from across the nation. A specific cutoff score on the AMC 12 is needed to qualify for this competition. Students taking the AMC 10 may also qualify for the AIME if they reach a certain score.

Math Olympiad April

This is the final level of individual competitions. Only a very small number of students qualify for this in the state. Reaching this level is an indication of exceptional math aptitude.

Wisconsin Math League Contests at WFBHS

The WML contests are a sequence of 6 contests held after school in the high school study hall room and lasting 30 minutes each. Each contest consists of 6 questions. The top 5 scores for each contest at WFBHS are then submitted for comparison against other schools across the state. Awards are given to the schools with the top total scores for the 6 contests. **Anyone may participate; however, you must stay for the entire 30 minute contest.** Last year we had the highest score in our region and the third highest score in the state!

New this year! There will also be a WML contest designed specifically for Algebra 1 students!

The dates for the Wisconsin Math League contests this year are listed below.

| | | |
|------------|-------------|-------------|
| October 18 | November 15 | December 13 |
| January 10 | February 14 | March 13 |

Marquette Math Challenge – offered again this year!

Marquette University High School is hosting a series of math explorations and contests on twelve Saturday afternoons. These events are held from 2 to 4 p.m. on the following dates: Oct. 29; Nov. 5, 12, 19; Jan. 21, 28; Feb 4, 18, 25; March 10. There is a \$35 participation fee per student. Please see your math teacher for additional information.



Blue Dukes

Varsity Math Letter

To receive a math academic letter a student needs to meet **at least 4** of the following criteria.

1. Participate in the Marquette Math Meet at the Beta level
2. Participate in the MSOE meet
3. Have a score in the top 30% of the MAA (based on the number of WFBHS participants)
4. Participate in the North Score Conference Meet at the **varsity** level
5. Have a score of 80 or higher on the AMC 12
6. Participate in the State Math Meet
7. Have a score of 1 or higher on the AIME
8. Have a cumulative score of 12 or higher on the Wisconsin Math League
9. Participate in the Math Olympiad