Kilmer Science Olympiad and Science Bowl

Interest Meeting

October 6th, 2016
What is Science Olympiad

• Middle School (Div. B) and High School (Div. C) tournament in which schools compete against all other schools in 23 events.
• Each school is represented by a team of 2 to 3 students in each event. Each school team is limited to 15 students.
• Virginia Science Olympiad (VASO) allows up to 2 Div. B teams per school to compete at the Regional tournament, but only 1 team at the State tournament.
• The winning team of the State tournament represents VA at the National tournament.
Science Olympiad at Kilmer

• Program initiated 5 years ago in 2009-10 academic year
• Kilmer won the State tournament in 2010-11 and represented VA at the National Tournament
• Last Year Kilmer placed 3rd in the state tournament
What is Science Bowl

• The Department of Energy (DOE) created the National Science Bowl in 1991 to encourage students to excel in mathematics and science and to pursue careers in these fields.

• More than 250,000 students have participated in the National Science Bowl® throughout its 25-year history, and it is one of the nation’s largest science competitions.

• Beginning in January 2016, more than 4,500 middle school students will compete in 50 middle school regional Science Bowl tournaments.
What is Science Bowl

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• The teams face-off in a fast-paced question-and-answer format, being tested on a range of science disciplines including biology, chemistry, Earth science, physics, energy, and math.

• Beginning in January 2016, more than 4,500 middle school students will compete in 50 middle school regional Science Bowl tournaments.
SO Team Selection

• Kilmer SO teams members will be selected based on the total score accumulated in a diagnostic test

• Test will be 1 hour long with 52 questions covering science questions appropriate for SO events

• Past SO performance will be calculated as follows to be used only in the case of a tie
  • Past participation in a Science Olympiad – 1 pt
  • Event placement at Regional or State Tournament – 1 pt

• The top scoring 30 students will be selected to form 2 Kilmer teams

• To represent Kilmer SO team at the State tournament, a final team of 15 students will be selected based on the individual performance at the Regional tournament.
SB Team Selection

• Kilmer Science Bowl team members will be selected based on the total score accumulated in a diagnostic test.
• Test will be 1 hour long with 52 questions covering science questions appropriate for SO events.
• Past SB performance will be calculated as follows to be used only in the case of a tie:
  • Past participation in a Science Bowl – 1 pt.
• The top scoring 5 students will be selected to form the Kilmer team.
• Middle school student teams are comprised of four students, one alternate, and a teacher who serves as an advisor and coach.
Qualifying Test

• Kilmer SO and SB Team qualifying test on Tuesday, Oct 13th, 2015 from 2:15 to 3:30 pm

• 52 questions, multiple choice Topics from Biology, Chemistry, Physics, Earth Science

• A Calculator will be enabled in the test

• NO CHEAT SHEETS or notes of any kind, no books
What Should You Expect

You:

• Will be assigned 2 events that occur at the regional tournament OR you will be assigned an area to study

• Should attend one meeting per week at Kilmer. Meeting days will be Tuesday and Thursday from 2:15-3:30 PM.

• Are expected to put in an average of 1-2 hours per event per week including at least 1 session of 1 hr/week with your partner for each event OR an hour of studying your topic area each week, including constructing quiz questions for that topic

• Should construct all the models/equipment by yourself

• Should be willing to work on events or topics that may not be of your choice

• Are likely to have different partners for different events or topics

• Will work to help others study your area assigned

• Must commit to participate in all tournaments
What Should Parents Expect

Parents Should

• help their child with scheduling extra meetings at school with their partners and provide transportation to/from school if necessary
• help procure material and tools for their construction and lab events or help to quiz your child and provide different locations online for them to study
• provide coaching/mentoring as needed by the student
• NOT build/construct the models/equipment for the student
• volunteer their time at the weekly school meetings, Invitational, Regional, and State tournaments
• pay a registration fee of ~ $50
SO 2015-16 Tentative Schedule

- October 20th - Diagnostic test
- October 27th – Teams will be named
- October 30th - Permission forms due
- November 3rd - Team, event, and partner assignment will be decided in an afterschool meeting with students
- November 3rd – SO in-school meetings start (2:15 to 3:30 pm) (will be on one of the late bus days)
- Saturday, November 14th, 1-4 PM- Building Event Open House, Location Longfellow MS
- TBA- Virginia Regional Tournament
- April 16th- State Tournament at TBA
- May 15th/16th – National Tournament in University of Nebraska, Lincoln
SB 2015-16 Tentative Schedule

- October 20th - Diagnostic test
- October 27th – Team will be named
- November 5th - Permission forms due
- November 5th – SB in-school meetings start (2:15 to 3:30 pm) (will be on one of the late bus days)
- March 5th- State Tournament Newport News
- April 30th-May 4th– National Tournament in Chevy Chase, MD
Decisions and Communication

• Parents are welcome and encouraged as coaches for events and topics, for help at afterschool sessions and also for logistics at tournaments and events, i.e. snacks, lunch, etc.
• Please contact Dr. Mike after final teams are decided if you are interested in being a parent volunteer.
• All communication and decisions will be approved by Kilmer administration and then shared via the teacher sponsor.
Resources / Links

• National Science Olympiad: www.soinc.org

• Virginia Science Olympiad: www.virginiaso.com

• Science Olympiad Student Center wiki: http://scioly.org/wiki/Main_Page

• National Science Bowl: http://science.energy.gov/wdts/n sb/

• Kilmer SO and SB Questions: Kilmerscience@gmail.com
!! What to do Next !!

• If you are interested in participating in the Kilmer Science Olympiad or Science Bowl, please fill-out the form and turn it in to Dr. Mike

• Name of Student

• Grade

• Parent E-mail address

• Choice of Science Bowl or Science Olympiad

• SO or SB past experience (if any)
  • School represented
  • Years