



South Cook Math Bowl

Thursday, May 7th (5th - 8th Grade) & Friday, May 8th (1st - 4th Grade)

Prairie State College - Chicago Heights, IL

The 2020 South Cook Math Bowl is being held at Prairie State College. This competition is open to students in grades 1 - 8. The Math Bowl will be held on two (2) consecutive days with **Divisions C and D** competing on **Thursday, May 7th** and **Divisions A and B** competing on **Friday, May 8th**. Prairie-Hills Elementary School District 144 will be coordinating the Math Bowl and it is generously being funded by Crystal Financial Consultants, Inc., Alliant/Mesirow Insurance Services and Mesirow Financial, Inc.

Organizational Meeting:

We will have an informational meeting that will be held at the Prairie-Hills Junior High, on **Friday, November 15, 2019** at 1:30 p.m. The purpose of this meeting will be to review the rules and structure for the day of the competition and to discuss any possible changes to the program. We will have another informational (mandatory) meeting that will be held at the Prairie-Hills Junior High, on **Wednesday, April 1st, 2020** at 1:30 p.m. The purpose of this meeting will be to review the rules and structure for the day of the competition, as well as distribute t-shirts, nametags, lunch tickets, etc. **Each district is required to send a representative.**

Competition Schedule:

Registration Check-in: 8:00 AM
Transition to Classroom: 8:30 AM
Registration Closes: 8:45 AM
Competition: 9:00-11:40 AM
Lunch/Entertainment: 11:45-1:00 PM
Awards Ceremony: 1:15 PM

**LATE ARRIVALS: TEAMS
ARRIVING AFTER 8:45 A.M.
WILL NOT PARTICIPATE IN
INDIVIDUAL EVENTS!**

Description of the Competition:

The competition consists of four events – two are individual events and two are team events. The team events for all divisions will include various Math Olympiad/algebraic problems and balance puzzles for Part A, a KenKen puzzle, logic puzzles, and visual patterns for Part B. The students will be allowed to separate the packets for the team events. Each group must discuss and answer the problems as a team.

Team Composition:

Districts are **limited** to one team per division and **each team has four members**. All divisions must include two representatives from each grade level. The team divisions are:

Division A	Grades 1 - 2
Division B	Grades 3 - 4
Division C	Grades 5 - 6
Division D	Grades 7 - 8

Scoring: Grade Level Awards

Points earned by each participant on the individual events are tabulated to determine the top individual scorers at each grade level.

Scoring: Team Awards

Team rankings will be tabulated by totaling the scores for the two team events, only. Individual scores will not be included in tabulating the team scores (unless there is a need for a tie breaker).

Awards:

There will be medals awarded to the top six (6) scoring students in each grade level. There will also be plaques awarded to the top six (6) teams in each of the four (4) divisions.

Rules:

- ◆ All supplies necessary for the competition will be provided for students.
- ◆ Calculators, compasses, rulers, etc. are not allowed.
- ◆ No help may be given to students once they are seated in their assigned rooms.
- ◆ No contact should be made with the students from district personnel unless requested by Math Bowl personnel.

Competition Questions:

Questions for mental math, grade level events and team events will be aligned to the Illinois Learning Standards (CCSS). All areas of mathematics will be covered.

Proctors and Runners: Each district must supply **two (2)** adults to serve as proctors, runners and scorers. The names of the adult volunteers must be submitted at the time of registration for the 2020 South Cook Math Bowl.

Lunch and Snacks:

Lunch will be served for all student team members and the adult volunteers from each district. Additional lunches can be ordered for one-to-one staff members. Please request the number of additional lunches needed when you register. Additional lunches may be ordered at the cost provided by the caterer.

Students with allergies (peanuts) and special dietary needs must bring their own lunch and snacks. Special lunch requests (i.e. gluten free, peanut free, etc.) and snacks will not be provided! Please have the student bring his/her lunch and carry his/her lunch with them to the classroom. However, please make sure that the Math Bowl staff are aware of these situations at the mandatory informational meetings and when the staff supervisor checks in the students at the Math Bowl!

Awards Ceremony:

The Awards Ceremony will take place in the Auditorium at 1:15 p.m. Depending on the amount of districts participating in this event, ***each student participant will be given two (2) entry tickets for the their parent(s)/guardian(s)*** for the Awards Ceremony and ***each district will receive two (2) additional tickets for special guests (i.e. Superintendent/Assistant Superintendent)***. This will entitle each student to have ***two (2) family guest members and two (2) district guest members*** to attend the Awards Ceremony. The tickets will be given to the contact person at the mandatory meeting in April. Guests are welcome to join us for the entertainment, beginning at 12:15 p.m. (which will also take place in the auditorium prior to the awards presentation).

Participation Application/Registration Deadline:

Each district will need to complete an initial application, which includes the name and email address of the designated District Contact person and the number of teams that will be competing. This form must be submitted no **later than Friday, February 14th**. The fee is \$50 per division team and should be included with the Initial Application. Checks should be made out to Prairie-Hills Elementary School District 144.

A team entry application is also required which includes the names and grades of the students that are participating. The team entry application must be received by **Friday, March 13th**.

Most Valuable Player (MVP):

We are asking each district to select a District MVP; one for each of the two days of the Math Bowl. If your district is not participating at all levels, please choose one student for the day(s) you are competing. It is our goal that every district send someone to the stage for recognition on the day(s) that they are participating. These students should be chosen based on the criteria below. Please bring the names of your MVP, Senior Level (Thursday) and Junior Level (Friday) winners to the **April 1st** meeting.

Excels in Math	Exhibits Leadership Qualities Positive
Sportsmanship/Attitude	Good Role Model for Others Team Player

Timeline of Events:

- **Friday, November 15th**, Informational Meeting: deadlines, event dates, and assessment changes.
- **Friday, February 14th** the Initial Application and fees are due.
- **Friday, March 13th**, Team Entry Form and team pictures are due. **(PLEASE NOTE: No applications will be received after this date!)**
- **Wednesday, April 1st**, Mandatory Organizational Meeting at Prairie-Hills Elementary School District 144
- **Friday, April 24th**, Last day to submit team pictures.
- **Thursday, May 7th**, Competition for Divisions C and D
- **Friday, May 8th**, Competition for Divisions A and B

Please direct questions or comments to Ms. Lisa Adrianzen at (ladrianzen@PHSD144.net) and "cc" Ms. Codjhia Shelton (cshelton@PHSD144.net) or call (708) 210-2888.



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Initial Application

Contact Name: _____ District # or Name _____

Contact's Cell Phone # _____ Contact's School Number # _____

Email Address _____

Team Composition:

Districts are limited to one team per division, per district. Each team has four members. All divisions must include two representatives from each grade level. The team divisions are:

Division A	Grades 1 st – 2 nd
Division B	Grades 3 rd – 4 th
Division C	Grades 5 th – 6 th
Division D	Grades 7 th – 8 th

Our district will bring the following teams:

_____ Division A
_____ Division B
_____ Division C
_____ Division D

- **This form must be submitted no later than Friday, February 14, 2020**
- **The fee is \$50 per Division Team.**
- **Checks should be made out to PHESD144 (Prairie-Hills Elementary School District 144).**

Please mail checks and a copy of this form to: Prairie-Hills Elementary School District 144
3015 West 163rd Street
Markham, IL 60428

Attention: Ms. Lisa Adrianzen
Email: ladrianzen@PHSD144.net (708) 210-2888



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Team Entry Form

Contact Name: _____ District # or Name _____

Phone # _____ Email Address _____

Each team must have two representatives from each grade level per division entered. List each team member below.

Division A

1. _____ Grade 1
2. _____ Grade 1
3. _____ Grade 2
4. _____ Grade 2

Division B

1. _____ Grade 3
2. _____ Grade 3
3. _____ Grade 4
4. _____ Grade 4

Division C

1. _____ Grade 5
2. _____ Grade 5
3. _____ Grade 6

Division D

1. _____ Grade 7
2. _____ Grade 7
3. _____ Grade 8

Adult Supervisors:

Thursday (1) _____ (2) _____

Friday (1) _____ (2) _____

While we appreciate the support of other staff members, due to *LIMITED SPACE*, please only send *TWO (2)* adult supervisors for each day!

This form will also be sent digitally and must be received by
Friday, March 13, 2020.

Please return digitally or email the form to:

Attn: Mr. Paul Huffaker

Email: phuffaker@PHSD144.net

Telephone: (708) 210-2888

Attn: Ms. Lisa Adrianzen

Email: ladrianzen@PHSD144.net

Please indicate the shirt sizes for each student participating on the team:

(Youth medium, Youth large, Adult small, Adult medium, Adult large, Adult X large, Adult XX large)

Division A Shirt Sizes: _____ Division B Shirt Sizes: _____

Division A Shirt Sizes: _____ Division B Shirt Sizes: _____

Division A Shirt Sizes: _____ Division B Shirt Sizes: _____

Division A Shirt Sizes: _____ Division B Shirt Sizes: _____

Division C Shirt Sizes: _____ Division D Shirt Sizes: _____

Division C Shirt Sizes: _____ Division D Shirt Sizes: _____

Division C Shirt Sizes: _____ Division D Shirt Sizes: _____

Division C Shirt Sizes: _____ Division D Shirt Sizes: _____

Please choose your sizes carefully, as miscalculations require that extra shirts are ordered to make sure our students are comfortable. However, this is an added expenditure that we would like to avoid if possible.

T-Shirts for alternates or Adult Staff may be purchased at \$7.00 each and a cost of \$8.00 for XL and larger t-shirts. Please indicate sizes desired for students on the form above and for adults and alternates below.

Total number of additional t-Shirts and sizes _____ Total Cost: _____

Please include a check for the additional shirts.

Additional Division A Shirt Sizes: _____ Additional Division B Shirt Sizes: _____

Additional Division A Shirt Sizes: _____ Additional Division B Shirt Sizes: _____

Additional Division A Shirt Sizes: _____ Additional Division B Shirt Sizes: _____

Additional Division A Shirt Sizes: _____ Additional Division B Shirt Sizes: _____

Additional Division C Shirt Sizes: _____ Additional Division D Shirt Sizes: _____

Additional Division C Shirt Sizes: _____ Additional Division D Shirt Sizes: _____

Additional Division C Shirt Sizes: _____ Additional Division D Shirt Sizes: _____

Additional Division C Shirt Sizes: _____ Additional Division D Shirt Sizes: _____



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Substitution Form

District # or Name: _____

Division: 1st - 2nd 3rd - 4th 5th - 6th 7th - 8th

Participant Registered: _____ Grade: _____

Replacement Name: _____ Grade: _____

District Contact : _____ Date: _____

All substitutions must be emailed to Ms. Lisa Adrianzen at ladrianzen@PHSD144.net in order for us to have the correct name tags for the competitors.

Please **email** to:

Attention: Ms. Lisa Adrianzen
Mr. Paul Huffaker

Email: ladrianzen@PHSD144.net AND phuffaker@PHSD144.net

Telephone: (708) 210-2888, ext. 2171



2020 SOUTH COOK MATH BOWL MEETING

Please submit your MVP nominees to Ms. Amy Hardwidge-Butcher at (ahardwidge@phsd144.net) and Ms. Susan O'Day at (soday@phsd144.net):

Our MVP for Thursday, May 7th (5th through 8th grade) is:

District: _____

School: _____

Student's Grade Level: 5th - 8th: _____

Our MVP for Friday, May 8th (1st through 4th grade) is:

District: _____

School: _____

Student's Grade Level: 1st - 4th: _____

Only one student per district is to be selected for each day. The character of these students should represent strong efforts, team spirit, being respectful of others, etc.



THURSDAY, MAY 7, 2020 (5th – 8th Grade)
and FRIDAY, MAY 8, 2020 (1st – 4th Grade)

MATH BOWL COMPETITION SCHEDULE

Event	Time	Type	Notes
Event #1 40 Questions (40 possible points)	9:00 – 9:15 a.m.	Mental Math	No scratch paper allowed. No writing on the paper, in the air, on the desk, use of hands, use of arms, etc. Violations will result in a student score of zero.
Event #2 35 Multiple Choice 5 Short Response (40 possible points)	9:20 – 10:05 a.m.	Written	Scratch paper is allowed. Problems will be more difficult than everyday math problems. Students in Division A will write on the test. All other Divisions will circle answers on a TEST answer sheet. Some items will have more than 1 answer. Short response items must be labeled.
BREAK 10:10 – 10:25 a.m. (15 minutes) Snacks will be provided.			
Team Event 1 (50 possible points)	10:30 – 11:10 a.m.	Written	Scratch paper is allowed. Algebraic Thinking / Math Olympiad type questions. Discussion required! Students will work together as a group. Each team submits one answer sheet. A team captain must be designated before the event. 10 problems worth 5 points each
Team Event 2 (30 possible points)	11:15 – 11:40 a.m.	KenKen - Medium Level Logic Puzzles - Moderate Level Visual Pattern Problems http://www.visualpatterns.org/ DIVISION A How many in the 6 th DIVISION B How many in the 10 th DIVISION C How many in the 43 rd DIVISION D Write the equation	Scratch paper is allowed. Discussion required! Students will work together as a group and each team submits one answer sheet. A team captain must be designated before the event. KenKen worth 10 points Logic puzzle worth 10 points Partial points will not be awarded NOTE: 5 visual pattern problems 2 points each for a total of 10 points
Lunch	11:45 – 12:15 p.m.		Groups will eat in the classrooms, under the supervision of school staff representative/coach.
Entertainment	12:15 – 1:15 p.m.		Return to the auditorium.
Awards Ceremony	1:15 p.m.		Return to the auditorium.