

December 20, 2019

Dear Science Olympiad Coaches and Friends:

Kutztown University is delighted to be hosting the Central East Regional Science Olympiad Competition again this year! The competition will take place on **Wednesday, March 11, 2020** (snow-date: March 12) and will include **6 middle schools and 22 high schools**. Your email addresses are in our distribution list and we will be continuing to send messages periodically, so please check your email frequently between now and the competition.

**School Numbers** – The State will assign school numbers VERY soon and we will update the schedule and notify you as soon as the information becomes available. In the meantime, you can see the “general schedule”. This is color coded to show which events are morning, afternoon, or sign-up.

**Event Assignments** – Please see the attached Supervisor/Judges list for your event assignment. Each team is providing at least one supervisor. You can see there are a considerable number of vacancies especially in the B division. If you want to volunteer as a supervisor for an additional event, please let us know. If you are bringing judges, we need their names and emails for our contact list.

**State Event Supervisors are back to help!** In an effort to promote consistency among the regional competitions, State Event Supervisors have been appointed for each event. They will write the exams, help supervisors understand the rules and assist with planning the event. They are excellent resources – please feel free to contact them with questions. [State Supervisor List](#)

A schedule of events has been included with this letter. For the events requiring impound, the impound areas will be open **8:00 to 9:00 AM**. Event supervisors are not required to be at impound areas until 9:00 AM (following the opening ceremonies). Student volunteers will be present to safeguard the entries. All of the **impound events** are located on the south side of campus again this year☺! These events will either be in O’Pake Fieldhouse (**#47-map**), Old Main (**#31-map**) or in the Student Recreation Center (**#48-map**).

The following information will assist in making the day of the tournament run smoothly. Please read and share this information with your students, coaches, and bus drivers before the day of the event:

1. Registration will begin at **7:30 AM** in the Arena of Keystone Hall (**#46-map**). If you arrive before then, feel free to grab your spot in the Arena and settle in. You can use the Arena as “home base” -no events are scheduled there during the day.
2. **Opening Ceremonies** will begin at **8:30 AM** in the Arena of Keystone Hall (**#46-map**) and conclude at 8:45 AM.
3. **Closing Ceremonies** will begin at **3:15 PM** in the Arena of Keystone Hall (**#46-map**).
4. The Arena of Keystone Hall (**#46-map**) will be needed following the closing ceremonies. To help facilities with turn over time, we are asking that each team please keep their area clean and put their trash in the bins provided. Your assistance with this is greatly appreciated.
5. **Sign-up Events** - We will be using an Event Sign Up System (ESUS) for the self-scheduled events. This is the same as last year and States will most likely be using this as well. Every team will login via an email/username and password combination. The password and instructions to access this site will arrive

soon. The ESUS will be open for scheduling at **9 AM on Monday, March 2<sup>nd</sup> and close at 12 noon on Monday, March 9<sup>th</sup>**. Those who do not sign up electronically will have the opportunity to take any empty time slots on the day of the tournament. Please avoid the later timeslots if possible out of consideration to our supervisors.

**LUNCH: 11:00 AM to 1:30 PM:**

1. The **South Side Café (#45-map)** will be available for lunch **11 AM – 1:30 PM**. This is an “all-you-can-eat” cafeteria with both hot and cold selections. The close proximity to Keystone Arena (next door) should afford ample opportunity for a yummy lunch! Lunch vouchers are available for pre-order at a discounted price of **\$7.50** – HIGHLY RECOMMENDED! (**Deadline for pre-order: March 4<sup>th</sup>**). Vouchers will also be available at Registration for **\$8.00**.

**For dining services to be prepared to accommodate those wanting lunch we need a count by March 2<sup>nd</sup>!** You can contact Dr. Susan Barrows with this information via email

[barrows@kutztown.edu](mailto:barrows@kutztown.edu) or phone 484-646-5863. Payment for pre-ordered vouchers can be mailed to Dr. Susan Barrows, Dept. of Physical Sciences, Kutztown University, Kutztown, Pa 19530 or turned in at the registration desk the day of the event. Checks should be made out to ***Kutztown University***.

2. The **KU Concession Stand** will be open from 8 AM - 2 PM serving coffee/breakfast items/snacks, hot dogs, burgers, cheeseburgers and all the goodies you could want. It is located in the lobby of Keystone Arena (#46-map). The Stand accepts cash only.

3. The **KU Bookstore** sells a variety of snacks/drinks and will be open all day. You can also visit the **Starbucks Coffee Shop** for food and drinks. Both are located on the North side of campus in in the McFarland Student Union Building (#6-map).

**Supervisors/Assistants:** Your lunch voucher will be included in your registration folder unless you request a delivered “bagged” lunch. Choose from the options for Bagged Lunch. Please consult the schedule when deciding between the cafeteria voucher or delivery. Your choice must be recorded by **March 2<sup>nd</sup>!** You can contact Dr. Susan Barrows with this information via email [barrows@kutztown.edu](mailto:barrows@kutztown.edu) or phone 484-646-5863. Please note that due to our insurance policy there is absolutely NO eating or drinking in the labs in the Boehm Science Center. Lounges are available on the 1<sup>st</sup>, 3<sup>rd</sup> and 4<sup>th</sup> floors.

**Bagged Lunch Choices:**

Garden Vegetables with Boursin, Aged Provolone and Roasted Garlic Aioli on Ciabatta  
Italian Sub with Fresh Lettice, Tomato, Onion, and Herbal Honey Dijon Sauce  
Spicy Southwestern Chicken Baguette with Monterey Jack Cheese and Pico de Gallo  
Turkey Feta Ciabatta with Spinach and Sundried Tomato Aioli

**SNACKS:** Breakfast treats and snack items will be available for purchase throughout the day at the entrance of the Arena Keystone Hall (#46-map). KU’s bookstore sells snacks/drinks and will be open in the McFarland Student Union Building (#6-map). Starbucks Coffee Shop (#6-map) will also be open 8 AM to 3 PM.

**Coach’s & Bus Drivers’ Lounge:** Classroom 106 in Keystone Hall (#46-map) adjacent to the Arena (east side) is designated for the lounge. Complimentary coffee, tea, donuts, muffins, and danish will be available from 7:30 to 11:30 AM. This room will remain open all day. Alternatively, there are a variety of lounges (some with TV) in the McFarland Student Union Building (#6-map).

**Buses:** Buses MUST park and drop off students in the parking lot off of Baldy Street labeled **E2** on the campus map. If your bus is staying, it will remain parked in the E2 parking lot. Students will also board buses to depart following the awards ceremony in the same lot. Only cars and vans can park in additional parking spaces labeled **E1** and **D3** on the campus map. Volunteers will be on hand during the morning to assist with parking.

**Appeals:** The required appeals form will be included in your coach's folder and are available at the KU website. Appeals will be addressed by the appeals panel in **Classroom 108 of Keystone Hall (#46-map)**. This is located on the east side of the Arena.

**NEW Schedule Changes:** This year we will be using the same schedule and numbering system as the State Tournament. We have altered the B Division to include only two sessions due to the small number of schools participating. We will NOT be using "X, Y, Z" designations as in previous years. Your school number will denote what time your team must attend the events! Both the B and C divisions will be using the school numbering system. Make sure you use the correct schedule – some of the events are in both divisions but different places/times! You may NOT switch time slots for any reason! If your team goes to the wrong time slot, they will be **disqualified!**

**Game On Div.B** = Scratch 3.0 will be used.

**Impounds:** All impounds will occur between 8:00 AM and 9:00 AM at the event location!

**Impounds Division B:**

Machines - Keystone Hall 129 (#46-map)

Mousetrap Vehicle – O'Pake Fieldhouse (#47-map)

**Division B Events that are "SIGN-UP" but do not require impound:**

Boomilever – O'Pake Fieldhouse (#47-map)

Elastic Launched Glider – O'Pake Fieldhouse (#47-map)

– The area is approx. 60' x 180' (ceiling: 25' to 38' in center)

Mission Possible - O'Pake Fieldhouse (#47-map) This is OPTIONAL at regionals!!!

Ping Pong Parachute — O'Pake Fieldhouse (#47-map)

– The area is approx. 60' x 180' (ceiling: 25' to 38' in center)

**Impounds Division C:**

Gravity Vehicle - O'Pake Fieldhouse (#47-map)

Machines – Recreation Center (#48-map)

Protein Modeling – Old Main 24 HR Computer Lab (#31-map)

**Division C Events that are "SIGN-UP" but do not require impound:**

Boomilever – O'Pake Fieldhouse (#47-map)

Detector Building – Boehm 207 (#12-map)

Ping Pong Parachute — O'Pake Fieldhouse (#47-map)

– The area is approx. 60' x 180' (ceiling: 25' to 38' in center)

Sound of Music – Recreation Center 203/204 (#48-map)

Wright Stuff – O'Pake Fieldhouse (#47-map)

– The area is approx. 60' x 180' (ceiling: 25' to 38' in center)

**TRIAL Events:** The three trial events are Solar Power, Home Horticulture Science, We've Got Your Number. The rules are attached. Anyone may participate – alternates included. More than one team per school is allowed.

**Wristbands:** Wristbands will be issued in your registration packet when you arrive. **ALL 15 team members must wear their wristbands** (snugly) throughout the tournament in order to compete and to receive awards at the closing ceremony. If a team member's wristband shows that it has been tampered with, the participant will be **disqualified** from the competition. Only the 15 participating students on the team will wear wristbands. **Wristbands may not be exchanged with other students.**

**Coaches:** Please **CHECK IN** at the registration desk in Keystone Hall (#46-map) when you arrive to pick up your registration packet and materials. Included in your packet will be wristbands, any last minute changes, Awards of Excellence (certificates) for each competing member, and a form to order "Certificates of Participation". These "participation certificates" are meant for you to use if you bring additional students and would like to acknowledge their participation. The certificates will be printed in the morning and be available for you to pick up after lunch.

**Supervisors:** If you intend to bring assistants with you – please let us know ASAP. We need to know the assistant's name and email and lunch preferences. Also, it will help us to know what events are already covered. Please contact the corresponding State Event Supervisor as soon as possible. Please **CHECK IN** at the registration desk in Keystone Hall (#46-map) when you arrive to pick up your registration packet and materials.

**RULES NOTIFICATION: CHECK THE OFFICAL S.O. SITE OFTEN!!!!**

<https://www.soinc.org/events/rules-clarifications> and <http://pascioly.org/>

### **ANATOMY & PHYSIOLOGY**

11/15/19 (Divisions B and C) should read, changes in bold: On the Official Event Muscle List, vastus intermedius should replace vastus intermedium.

### **CODEBUSTERS**

9/16/19 (Division C) 3.f.v. should read, edits in bold: "the Hill Cipher - Encrypting plaintext or decrypting ciphertext with a 2x2 encryption matrix or 3x3 decryption matrix provided" (the word Encrypting was misspelled)

11/19/19 (Division C) 3.e.vii. should read, edits in bold: "the Hill Cipher - encrypting plaintext or decrypting ciphertext given a 2x2 encryption matrix." (encryption replaces the incorrect term decryption)

### **FOSSILS**

9/16/19 (Divisions B and C) Page 2, Column 2, Row 8, should read, edits in bold: "Species H. sapiens" (sapiens should be plural)

11/15/19 (Divisions B and C) should read, changes in bold: On the Official Fossils List, Woolly Mammoth and Order Scleractinia should replace Woolly Mammoth and Order Scleratinia (the letter L missing from Woolly and the letter C missing from Scleractinia)

### **MISSION POSSIBLE**

10/29/19 (Division B) 5.l. Scoring should read, edits in bold: 5.l. Devices impounded after the deadline will be scored after devices impounded on time. (This is an entirely new line added)

### **MOUSETRAP VEHICLE**

10/29/19 (Division B) 7.f. Scoring, should read, edits in bold:

f. Tiers: The highest number Tier will be applied when more than one is applicable:

i. Tier 1: Runs with no violations

- ii. Tier 2: Runs with any competition violations
- iii. Tier 3: Runs with any construction violations
- iv. Tier 4: Teams with 2 Failed Runs
- v. Tier 5: Teams that did not impound their Vehicle during the impound period  
(Tier 2 and Tier 3 levels of violations were switched to be consistent with other Vehicle events)

### **ORNITHOLOGY**

9/16/19 (Divisions B and C) on the Official Bird List, Page 2, Column 3, Last Row, should read, edits in bold: "European Starling *Sturnus vulgaris*" (The word *Sturnus* was misspelled)

### **PING PONG PARACHUTE**

10/29/19 (Divisions B and C) 5.c. Competition, should read, edits in bold: When called to launch, teams will load their rocket onto the launcher. Once the rocket is loaded, but NOT pressurized, teams will place the parachute payload system on or in the rocket. After the payload parachute system is loaded it cannot be manipulated. Teams will then pressurize the rocket to the pressure (psi) of choice based on their practice log data. At no time should the pressure vessel (bottle) be pressurized beyond 65 psi. The Event Supervisor will check the gauge on the pump to ensure the rocket is pressurized to the psi chosen and justified by the team's data. (A new maximum pressure is now listed)

### **PROTEIN MODELING**

10/8/19 (Division C) 3. Part I: The Pre-Built Model a. should read, edits in bold: a. Participants will use the program Jmol/JSmol to visualize cytidine deaminase (chain A, residues 31-145) based on data found in the 5keg.pdb file. The atomic coordinate data file... (Replaces "deaminase (chain A, residues 214-310)" based on data found in the "5td5.pdb file".)

**Maps and Directions:** A campus map is enclosed but can also be found on Kutztown University's web site [www.kutztown.edu/directions](http://www.kutztown.edu/directions) .

**Safety Equipment!** We regret that we will not be able to provide safety equipment such as goggles or aprons for the event classrooms. It is the student's responsibility to bring the required safety equipment to the event. Failure to comply with the safety regulations will result in the team's disqualification from the event. We will have a table in Keystone Arena (#46-map) to "rent" equipment for a nominal fee. Supplies are limited and will be awarded on a first come, first serve basis. If you know your team will be in need of equipment, please contact us to make reservations. Make sure your team knows the new categories of eye protection—A, B, C—listed in the Rules Manual. [www.soinc.org/eye\\_protection](http://www.soinc.org/eye_protection)

**Volunteers – Still Needed:** First, let us say how grateful we are to those of you who have already volunteered your time and talents to this project. We cannot succeed in bringing a quality program to the students without you. Many of the events are still in need of a Supervisor and/or Assistants – see the attached list. More incentive...**ACT48 credit** for supervisors!!! If there are questions about an event, please visit the Science Olympiad web site [www.soinc.org/](http://www.soinc.org/) or contact us at [CERegion@pascioly.org](mailto:CERegion@pascioly.org).

**\*\*\*The [www.soinc.org](http://www.soinc.org) website has added new hints/event descriptions/power point presentations for many of the events. This info will be helpful to both coaches and supervisors!!!\*\*\*\***

We look forward to seeing you on March 11, 2020! Hopefully you will like the accommodations that were made for the event this year. We've tried to incorporate your feedback as best as we can. And, as always, we are open to suggestions. If you have any questions please do not hesitate to contact us.

Respectfully,

Joann, Eric and Robert

Joann Monko & Eric Laub  
Directors of Central East Pennsylvania Science Olympiad  
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Robert Monko  
Assistant Site Coordinator  
Official KU Olympiad Email (NEW!) – [CERegion@pascioly.org](mailto:CERegion@pascioly.org)

Special thanks to all who contributed in planning this special event –  
David Moyer: Pa Science Olympiad State Directors  
Roger Demos – State Treasurer & Administrative Assistant Emeritus  
Dr. Carole V. Wells, Vice-Provost & Dean of Graduate Studies  
Robert Monko, Graduate Assistant  
Mimi Smith, Administrative Assistant Emeritus  
Jennifer Devlin, Pa State Executive Administrator  
Brianna Benson, Site Director of State Finals at Juniata College  
Pat Myers, Associate Site Director of State Finals at Juniata College  
J Croom Webmaster/Board of Directors

The wonderfully supportive faculty and staff of the following departments....

Physical Sciences, Biology, Geography, Math, Computer Science & Secondary Education

**Attached:**

Forms will be available on-line at the KU website: - Under construction. Will update you on launch date.

• The **OFFICIAL Registration ROSTER:**

This form must be **signed by your principle** to verify students' participation.

Please hand in your completed roster sheet at the registration desk **on March 11<sup>th</sup>**.

Your team will NOT be allowed to compete without a signed roster!!!

- Tentative Schedule of the day's events – School #'s TBA & event locations may change!
- Supervisor and Assistants List
- Publicity Waiver
- Trial Event Rules
- Campus Map