Welcome to 2018 King & “Friends” Science Olympiad!

*What is Science Olympiad?*
Science Olympiad is a national program in which students explore science through active, hands-on participation and competition, with an emphasis on problem-solving and team-building skills. Students participate in events designed to be fun, exciting, and challenging. Some events require knowledge of science facts and concepts, while others rely on knowledge of scientific processes, skills or applications. Students with varying abilities and skills can participate. The team spirit and good citizenship that students develop will benefit them throughout their lives.

*Who can participate?*
Current & former King students and friends from neighboring schools/areas in Grades 2-6 may participate in Science Olympiad; they may choose up to four (4) events. Students are encouraged to sign up for more than one event.

*When and where are practice sessions and competition held?*
Sessions are held weekly *(Sundays only)*, January 21 – March 4, 2:00-5:00 PM at the Goodyear Polymer Center at the University of Akron. Events run in 45-minute intervals and two events run at the same time. Sunday, March 4 includes final competition and the potluck awards celebration.

*How do students sign up?*
Register online at: [https://akron.qualtrics.com/jfe/form/SV_0qbA5CPWyblHWjb](https://akron.qualtrics.com/jfe/form/SV_0qbA5CPWyblHWjb) or [https://tinyurl.com/KingSciOlyAtUAkron](https://tinyurl.com/KingSciOlyAtUAkron). OR complete & return the included registration form/event choices to the King CLC Office, ATTN: Janet Black, by Wednesday, January 17. Questions? Text or call Janet Black at (330) 631-4846 or email her at minj55@live.com.

*Who are the coaches?*
Coaches and assistant coaches are volunteers – parents, UA faculty/grad students, middle & high school students, and community members.

*How can parents/guardians help?*
Parents/guardians may volunteer as assistant coaches, helping hands and awards celebration planners. **Please Note:** Assistant coaches are needed where “TBA” is stated in the event descriptions.

*(OVER)*
2018 Science Olympiad Event Descriptions

Candy Chemistry (grades 2-3): Coaches Hank Schueler, Allison Cole, & Melody Searle. Crunch compounds and marvel at molecules. Bring your sweet tooth and rock out with some rock candy. And roll with the crunches. Learn about specific heat, phases of matter, measurements, conversions and volume.

Making Music (grades 2-3): Coaches Madison Pugh & Coleen Pugh. Let’s make some noise! Oops, I mean music! We will explore how instruments generate music and then create an instrument.

Science Meets Art (grades 2-3): Coaches Coleen Pugh & Madison Pugh. What does science have to do with art? Find out in this event. Investigate a variety of art materials and explore their scientific connections.

The Science of Hair (grades 2-3): Coaches Sara Brebant & Stephanie Davis. Are you ready for a hair-raising experience? Throughout this event, you will learn some really cool things about hair and the science of various hair care methods.

CSI Science (grades 4-6): Coaches Laura Killian, Mike Cole, & Keith Rivers. Come learn how to be a detective and solve mysteries! We will use basic science techniques to find clues to solve cases. Be prepared to learn about crime scenes, fingerprints, preserving physical evidence, and testing items from crime scenes. Your first test is to figure out how to register for this class! Starting now!

Smart Films/Electronic Materials (grades 4-6): Coach Yu Zhu. Students will assemble the electronic active thin films for various interesting applications.

Water Rockets (grades 4-6): Coaches Rodger Dilla & Kevin Endres. Students will build a rocket, in advance, out of a 2-liter soda bottle, making alterations each week and adding a parachute to help it stay aloft. The rocket that stays in the air the longest will be the winner.
2018 Science Olympiad Registration Form

Complete & return the included registration form to the King CLC Office by **Wednesday, January 17.** Questions? Text or call Janet Black at (330) 631-4846 or email her at minj55@live.com.

**PLEASE PRINT CLEARLY – ONE FORM PER CHILD**

**Student Information:**
Name __________________________________________
Grade _______  Teacher Name ________________________________________________
School *(if other than King CLC)* ______________________________________________

**Student Behavior Agreement:**
I agree to follow the directions of my coach(es), pay attention during practice and competition, and be kind and polite to everyone in the group.

Student Signature _________________________________________________________

**Parent/Guardian Information:**

PLEASE NOTE: *Provide an email address that you check regularly. Parent/guardian signature required for student participation.*

Parent/Guardian Name 1 ______________________________________________________________
Email ___________________________________________  Phone ____________________________

Parent/Guardian Name 2 _____________________________________________________________
Email ___________________________________________  Phone ____________________________

Parent/Guardian Signature _______________________________________________________

**Photos are taken at Science Olympiad. Your release is assumed unless you check here:**
- DO NOT photograph my child. _________

**Parent/Guardian Volunteer Commitment (not required, but greatly appreciated):**
I am interested in coaching **next year** (list event)! ________________________________

I will serve as a Science Olympiad volunteer now (check all that apply)!
- _____ Assistant Coach (list event) ________________________________________________
- _____ Helping Hand: staff sign-in table, provide directions on-site, etc.
- _____ Awards Celebration Planner: secure food & supplies, set up, tear down, etc.

Name ________________________________________________________________
Email ___________________________________________  Phone ____________________________

**(OVER)**
### 2018 Science Olympiad – Student Event Choices

Please select up to four (4) events. Rank them using #1 for your first choice, #2 for your second choice, and so on. This ranking will be used in case two event practices have time conflicts and/or an event is eliminated. Notice that your rankings should all line up in one column based on your grade in school.

Total number of events I’d like to participate in: ______

<table>
<thead>
<tr>
<th>Event</th>
<th>2nd Grade</th>
<th>3rd Grade</th>
<th>4th Grade</th>
<th>5th Grade</th>
<th>6th Grade</th>
<th>Coach(es)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Candy Chemistry</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Hank Schueler, Allison Cole, &amp; Melody Searle</td>
</tr>
<tr>
<td>Making Music</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Madison Pugh &amp; Coleen Pugh</td>
</tr>
<tr>
<td>Science Meets Art</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Coleen Pugh &amp; Madison Pugh</td>
</tr>
<tr>
<td>The Science of Hair</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sara Brebant &amp; Stephanie Davis</td>
</tr>
<tr>
<td>Candy Chemistry</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Hank Schueler, Allison Cole, &amp; Melody Searle</td>
</tr>
<tr>
<td>CSI Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Laura Killian, Mike Cole, &amp; Keith Rivers</td>
</tr>
<tr>
<td>Smart Films</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Yu Zhu</td>
</tr>
<tr>
<td>Water Rockets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Rodger Dilla &amp; Kevin Endres</td>
</tr>
</tbody>
</table>

* **White blocks:** Open to this age group  
* **Shaded blocks:** Not open to this age group