



Union County Elementary will be participating in the Northeast Georgia Science Olympiad for Elementary Schools. Anyone interested in participating is welcomed!

Practices will begin in January and could go through the beginning of March. Practices will start immediately after school and end at 5:00pm. At this time, your child will need to be picked up by a parent/guardian or other authorized individual as listed on power-school. Your child will be given a free snack after school.

The Science Olympiad consists of 18 pre-determined events. Each of the 18 events/challenges requires at least 2 team members. Listed below are the 18 challenges for 2018 and a brief description of each. There must be a **willingness to participate in at least 3** challenges. Check the box of each event in which your child would be interested in participating, and return to school no later than **December 14, 2017**. Elementary Science Olympiad at UCES will begin practices January 8. There will be a practice calendar posted on the UCES webpage for those of you that would like to look at the calendar's entirety. A paper copy will come home January 3<sup>rd</sup>.

A Science Olympiad team consists of 20 students ranging from 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> grade. ESO requires each team to choose no more than 8 per grade level with a limit of 20 total. We plan to use January as the month to have students "TRY OUT" for the team. Each week on Monday during this month, students will come to learn about their topic of interest. The following Thursday we will give an assessment to your child for the event they learned about on Monday. No one will know how he/she performed other than the teacher/coach. This will give your child the opportunity to see if he/she wants to be a part of UCES Science Olympiad Team. It does require practice time and studying outside of practice. The UCES Science Olympiad Team will continue practices through February and most of March. The team members will be selected after Feb 1<sup>st</sup> assessments. Letters will be going home on Feb 2 for those that have been selected to join the UCES Science Olympiad Team, and those students will continue to practice through March.

<b>Event</b>	<b>Description</b>	<b>Willingness</b>
24 Game	Using knowledge of math facts to make 24 out of 4 given numbers on a card.	
Back Yard Biologist	Be able to identify various trees, plants, and birds.	
Barge Building	Build a barge sturdy enough to hold the most cargo	
Data Cruncher	Demonstrate understanding of metric measurement by estimating and measuring length (meter), mass (gram), fluid volume (liter), angles, and temperature (Celsius).	
Disease Detectives	Understand connections between various health problems that affect communities, risks for disease/injury, and opportunities for prevention.	
Don't Bug Me	Identify living, preserved, or pictures of insects	
Mystery Architecture	Build tallest, most stable tower from unknown materials along with tennis ball, scissors, ruler, and pliers	
No Bones About It	Identify various bones and answer questions	
Paper Rockets	Build and fly paper rocket; materials provided	
Rock Hound	Must identify various rocks and minerals	
Save Our Earth	Quiz over environmental problems; labs	
Starry, Starry Night	Identify constellations, planets, & other things	
Straw Bridge Building	50 straws/ 1 meter masking tape/ holds most weight	
Straw Egg Drop	Build device of straws to prevent egg breakage	
Straw Tower	Build strongest, tallest tower/ 1 meter tape	
Water Rockets	Build and launch 2 -liter rocket for max. time	
What's the Matter	Identify physical properties of matter and the behavior of solids, liquids, and gases before and after they undergo changes or interactions.	
Which Way is North?	Navigate state road map; math and map skills.	

**Please indicate that you have completed the list below:**

\_\_\_\_\_ I understand that my child will try out for ESO during the month of Jan. - Feb. 1.

\_\_\_\_\_ I have indicated at least 3 events my child is willing to compete in as listed above.

\_\_\_\_\_ I understand that my child will be unable to participate in ESO if I am late for pick-up from practices or competitions (after 2 tardies).

Student's Name: \_\_\_\_\_

Teacher's Name: \_\_\_\_\_

Parent/ Guardian: (Print) \_\_\_\_\_

Parent/Guardian: (Signature) \_\_\_\_\_

Parent Email: \_\_\_\_\_

Parent Phone Number: \_\_\_\_\_