



Union County T.E.A.M.S. Charter School and High School/College Leadership Academy
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"Become a Part of the Journey – 21st Century Education"

April 1, 2015

Greetings, Fellow Scientists!

We are starting to prepare for our school-wide celebration of curiosity and investigation, our **Built Environment Science Fair/Open House**. This event will be held **at 6:00 pm in the evening of Wednesday, May 20, 2015**. The celebration this year will also include a **Science Bowl** for middle school students **during the regular class day on Friday, May 15, 2015**. To help students prepare for these events, please read over the key information below.

Built Environment Science Fair- Grades K-12

- Student projects may be completed individually, in teams, or as a class, as determined by the classroom teacher at respective grade levels.
- In their projects, students should pose a testable question, formulate a hypothesis, conduct an experiment to test the hypothesis, collect data, and present the findings of their research. Timelines and internet resources will be available to assist students with each of these components.
- **By Friday, May 8, 2015 all projects must be completed** and are due to the classroom teacher.
- **By Thursday, May 14, 2015** each class will select the completed projects to be featured in the Built Environment Science Fair. The key information and data of the selected projects should be displayed on a tri-fold presentation board (to be provided) and accompanied by research samples for setup at the fair. Please see the display board requirements on the first link below.
- There also will be **grades 4-8 index card free standing tower building contest** and **high school recycled fashion show** during the evening.
- All completed Built Environment projects will be displayed and automatically enter the competition. Trophies will be awarded to the first 3 places for each group.
- **On Wednesday, May 20, 2015** guest judges attending the Built Environment Science Fair will vote to select the winning projects. Students will stand by their projects to answer questions.
- Parents should sign the safety agreement and hand it in to classroom teacher.

Within the above guidelines, different classrooms may structure their workflow as it best fits with their respective class schedules. Teachers can offer more details about the specific process for their class.

"We Are Community Builders...Aiming High and Achieving Greatness"

Sheila L. Thorpe
Executive Director/Founder

Joi R. Bethea
Principal

Science Bowl- Grades 6-8 (Friday, May 15, 2015)

- In each classroom students will form teams of four.
- Before the competition students will be given Science Bowl questions (see the link below) and answers to study ahead of time with their team.
- During the competition, two teams will face off against each other, answering Science Bowl questions within a set time limit in an alternating fashion.
- The teams will be arranged in a bracket system, with winning teams advancing to the next round, until one team reigns scientifically supreme!

Websites for Inspiration and Investigation- Grades K-12

➤ **General information for all grades**

http://go.hrw.com/resources/go_sc/hst/HSTGP221.PDF

➤ **K-8 science project ideas**

http://drek8.dadeschools.net/Newsite/Docs/11-12_Docs/Science%20Fair%20Packet%202011-12.pdf

➤ **High school science project ideas**

http://www.sciencebuddies.org/science-fair-projects/science_project_ideas.php

➤ **Additional information**

<http://phsd144.net/cms/lib3/IL01001725/Centricity/Domain/572/ScienceFairPacket.pdf>

➤ **Science Bowl Sample Questions** (Please copy and paste the web link onto your web browser.)

(Students should study all sample questions on set 2, rounds 1 - 8, except math questions)

<http://science.energy.gov/wdts/nsb/middle-school/middle-school-regionals/ms-rules-forms-resources/sample-questions/>

We can't wait to be hypnotized by your hypothesis! Engaged by your experiment! And dazzled by your data!

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