

Quest Science Fun Day

Friday, June 7, 2024

This is a day completely dedicated to learning science in a hands-on and interesting way. Students travel around the school building, nearby creek and outdoor classrooms to learn about science in our everyday lives. Science Fun Day is a great opportunity for you to give back to the district that has provided for you these past 12 years!

The day is broken into 5, 35 minute time slots. You will choose a time slot to present based on your class schedule (with permission slips). QUEST will do their best to accommodate your schedule within the constraints of the event.

You and your group will choose a teacher-approved demonstration to perform for the students at QUEST. Once your demonstration has been approved, you're not done! You need to have a lesson plan and practice that plan. Read below for further guidelines and instructions.

Science Fun Day Checklist

- *Teacher-Approved demonstration.* _____

- *Lesson Plan*
 - The lesson plan is going to be your 'script' for doing the demonstration. What is each member of your group going to do? Who is going to say what, when? You need to discuss the *science* of the demonstration, but remember your audience! You need to plan out how long the demonstration is going to take. Remember you have 35 minutes!! Fill that time up with science. Keep it at a grade school level (and keep it fun). Past demonstrations have included things like making ice cream, simple acid/base reactions (cabbage juice indicator), slime (non-Newtonian fluids), among others. Be creative here! A template for the lesson plan is available on my web site. **This will be a graded assignment.**

- *Practice Session*
 - You and your group will do a full rehearsal in front of your classmates prior to QSFD. This means you need to either provide your teacher with a detailed equipment list or head to the store and purchase supplies you need. Teachers will provide limited chemicals and glassware. If you have something exotic you want to do, you're on your own for materials. **This will also be graded.**

- *Presentation Day*
 - Give your science teacher the signed permission slip.
 - Gather your materials. If you have chemicals that need transporting, we recommend you give them to a teacher to transport. You should NOT be transporting hazardous chemicals in your personal vehicles.