TRINITY 20 (WEEK 13) 0CTOBER 31, 2025

# Scientia et Mathematica

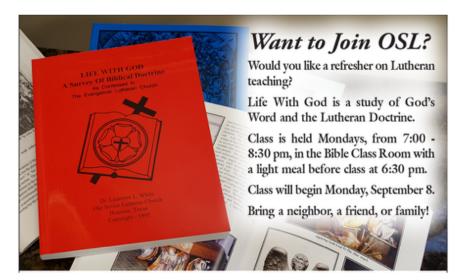
### **Our Savior Lutheran Quadrivium**





# Week 13 - Trinity 20

This week, we are back in the garden. We are finding that some plants can grow at any time of year, others not so much. Ask your child about which plants are thriving.



### 6th & 7th Science

This week, scholars are learning about how molecules combine to form solutions and some make colloids.

### 8th Science

We are continuing our projects of growing plants and corn. We are also studying the basic structure for all living things: the cell.

### Algebra I

Scholars learn to use their knowledge of the slope-intercept form and standard form to write and graph equations that are perpendicular to other lines. Please remind your child to show their work and their check for every problem.

#### Tests:

6th/7th Science - Nov 7 Algebra I - Nov 6

#### Labs:

Nov 3 - 6th & 7th Nov 3 - 8th TRINITY 20 (WEEK 13) OCTOBER 31, 2025

# **Memory Work**

So faith comes from hearing, and hearing through the word of Christ. Romans 10:17

### Third Article

I believe in the Holy Spirit, the holy Christian church, the communion of saints, the forgiveness of sins, the resurrection of the body, and the life everlasting. Amen.

### Explanation of the Third Article:

I believe that I cannot by my own reason or strength believe in Jesus Christ, my Lord, or come to Him; but the Holy Spirit has called me by the Gospel, enlightened me with His gifts, sanctified and kept me in the true faith. In the same way, He calls, gathers, enlightens, and sanctifies the whole Christian church on earth, and keeps it with Jesus Christ in the one true faith. In this Christian church, He daily and richly forgives all my sins and the sins of all believers. On the Last Day, He will raise me and all the dead, and give eternal life to me and all believers in Christ. This is most certainly true.

# F.A.S.T. - November 5

Join us in the library this week as Mrs. Thoelke shares the OSL approach to assessing students and curriculum. There is a meal at 5:30 pm and the class begins at 6:30 pm.

# Winter Sports Practice

Winter sports continue their practice this week. Girls practice early and boys late. Athletes have opportunities after school to complete homework while the other scholars are practicing.

## Extra Credit - Science

How do the panels in an auditorium affect the sound of the music?

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### Science focus this week

The Periodic Table of Elements are organized by the number of electrons on the outermost part of the atom by columns. It is also organized by the number of orbitals for the electrons. Recent discoveries now refute the idea that electrons circulate around the nucleus like planets. The quantum-mechanical model describes electrons as moving around in regions called orbitals and looks like the model on the right.

