

Annual Events

- **September: 9 & 10 Marine Biology trip to Newport**
Three days exploring the Oregon coast including hands-on labs at Hatfield Marine Science Center and Marine Discovery Tours.
- **November through March: Project FeederWatch**
Students participate in monitoring bird populations visiting our feeding station as they conduct their own research projects using the scientific method. Students have identified over 40 bird species at our feeders.
- **April: Science Fair & Rocket Launch**
A fun filled evening consisting of student science projects, a model rocket launch, benefit dinner, and exciting science demonstrations.



*"It is by faith that we understand that the universe was created by God's word, so that what can be seen was made out of what cannot be seen."
Hebrews 11:3 TEV*

Mission Statement

Tualatin Valley Junior Academy is committed to providing a Christ-Centered Education that nurtures the individuality of the student within the climate of Academic Excellence.

Tualatin Valley Junior Academy

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Christ-Centered
Academic Excellence

Science & Biology Grades 7-10

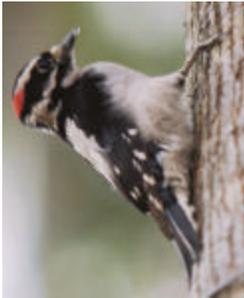



Adventist Education

Tualatin Valley Junior Academy

Phone: 503-649-5518

Our Science Program



Science impacts every aspect of our lives, from the circuitry of our computers to this morning's weather forecast. Science provides a way for us to explore our world and to discover the answers to our questions.

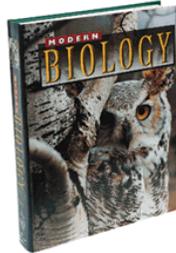
Each new discovery reveals something about the character of our Creator and strengthens our faith.

Students at Tualatin Valley Junior Academy explore the world around them through exciting laboratory investigations, field experiences, projects, current textbooks, guest speakers, audio visual programs, Internet resources, relevant classroom presentations and teacher demonstrations.



Curriculum

The 7th and 8th grade general science program covers a variety of life, earth and physical science topics that are rotated over the course of two years. High school students study biology one year and a selection of topics, including marine biology, astronomy, and chemistry during the alternate year.



Textbooks

7th & 8th Grade

Year One

Science Explorer:

- Earth's Waters
- Animals
- Sound and Light
- From Bacteria to Plants

Year Two

- Weather and Climate
- Inside Earth
- Motion, Forces and Energy
- Environmental Science

9th & 10th Grade

Year One

Marine Biology

Science Explorer:

- Astronomy
- Electricity and Magnetism
- Chemical Interactions
- Chemical Building Blocks

Year Two

Modern Biology



Facilities

Our spacious new science laboratory seats up to thirty students. Each lab station is equipped with running water, gas and electrical outlets. Microscopes and glassware are among the laboratory equipment available for student use during laboratory activities. The lab has safety equipment such as goggles, aprons, an eye wash station and a safety shower. Ten PC computers are available for student use within the science classroom.

The science lab is home to various tropical fish, marine invertebrates, walking stick insects, and a honey bee hive. An incubation tank is used twice each year to hatch salmon and trout eggs. Real-time data from our weather station is available from our web site. The 2.5 acres of natural woods bordering Downy Creek behind the school serve as an outdoor classroom, and provide an ideal location for our bird feeding station.



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