West Valley Innovation Center

We Create, We Innovate, We Lead the Future!

Vision:

At the West Valley Innovation Center, we learn by doing. Our hands-on projects connect school subjects with real-world skills and careers. By working together, thinking creatively, and building job-ready skills, we prepare for success in life, no matter what path we choose.

Mission:

We create a learning environment where every student feels supported, challenged, and inspired. Through real-world projects and hands-on experiences, we build problem-solving skills, adaptability, and professionalism. We focus on teamwork and creativity while mastering the skills that will help us in our future careers and beyond.

We Believe:

- Every student can succeed with the right support and opportunities.
- Working together, exploring new ideas, and making choices in our learning help us grow.
- We do our best work when we collaborate with teachers and peers on real and meaningful projects.
- Learning is most powerful when we take charge of it and understand why it matters.
- Having choices in our projects makes learning more creative, exciting, and meaningful.
- We learn better when we explore our interests and connect school to real life.
- Teachers working together helps students succeed.
- Staying motivated and taking ownership of our learning leads to success.
- Hands-on projects make learning more engaging and prepare us for the future.
- Combining academic learning with career skills helps us get ready for life after school.

Innovators Can Expect To:

- **Master Your Skills and Standards**
  Instead of just passing a class, you'll work toward truly mastering skills that meet state and industry standards. While you have some flexibility in pacing, you'll also need to stay on track and meet expectations as you progress.
- **Take Ownership of Your Learning**
  You're in charge of your success! You'll set goals, stay accountable, and take responsibility for your work—whether it's an individual project or a team challenge.
- **Develop Real-World Problem-Solving Skills**
  Innovation requires grit and creativity. You'll tackle real-world problems, think critically, and push through challenges to find solutions.
- **Work Together and Lead with Confidence**
  Collaboration is key! You'll learn how to work effectively in groups, contribute your ideas, and even take on leadership roles in student-led projects.
- **Build the 21st Century Skills Employers Want**
  From time management and communication to creativity and responsibility, you'll develop the skills that will prepare you for success in your education after graduation, your career, and beyond.

Project-Based Learning: A way of learning where students work on a real-world project for a week, a month, or longer to explore a problem or question, use their knowledge to generate creative solutions, and create a final product or presentation. This method helps students develop skills in problem-solving, teamwork, creativity, and communication while learning deep content.

Mastery-Based Learning: A way of learning that focuses on truly understanding the material. Instead of just moving on after completing assignments, you work to master a skill or concept. You'll be assessed based on how well you meet learning goals and get support tailored to your needs. Your progress is measured in levels from 1 (not yet meeting) to 4 (exceeding the standard). This approach focuses on both knowledge and developing important skills.

Core Program Pathways Grades 7 - 9

Computer Science: Whether you're interested in coding, game design, web development, programming, graphic design, or fixing computers, you'll gain valuable experience and even have the chance to earn Microsoft and IT industry certifications.

Health Science: Are you interested in helping people and making a difference? The Health Science program gives you real-world skills in a self-paced, hands-on environment. Learn First Aid, CPR, and safety practices, explore careers in healthcare, study nutrition, and even earn industry-recognized certifications. Build leadership, communication, and teamwork skills while preparing for a future in health science.

STEM Robotics: Work with robotic platforms like VEX and learn about automation and electronics. You'll use CAD (Computer-Aided Design) to create designs and follow the engineering design process to solve problems. Work on projects using 3D printers, laser cutting, and CNC routers. You'll also explore how these technologies connect to real-world fields like agriculture and manufacturing.

STEM Aerospace: Explore aerospace and rockets, and even build planes to understand how flight works. To create projects, you'll use cool tools like CAD, 3D printers, laser cutters, and CNC routers. You'll also get hands-on experience with drones and apply science and engineering to solve real-world problems.

Core Program Pathways Grades 10 - 12

Computer Science: This pathway offers hands-on learning in computer science and IT. Earn Microsoft and industry certifications, explore cybersecurity, AI, video game design, graphic design, programming, and even work toward an apprenticeship—all while meeting high school graduation requirements.

Health Science: Explore the exciting world of healthcare and prepare for a career that makes a difference! In this hands-on, self-paced program, you'll gain real-world skills, earn industry certifications, and explore careers like physical therapy, nursing, or medical assisting. Learn about nutrition, anatomy, patient care, safety, and more—setting you up for success in the health field.

STEM: This two-teacher program provides all innovators with core foundational skills through Boeing Core Plus and Aircraft Owners and Pilots Association curriculum and opportunities to focus on areas of interest: aerospace, automation, agriscience, electronics, engineering, machining, robotics, drone/aviation/pilot, welding, and fabrication. Gain hands-on experience, earn certifications, and explore apprenticeships in the workplace. This program helps you build real-world skills for exciting careers in high-tech industries.

2025-2026 School Year Schedules by Grade Level

WEST VALLEY INNOVATION CENTER

7TH GRADE SCHEDULE

Time	Courses
7:45 - 9:43 am	CORE Program Pathway (Grade 7-9 Cohort: Pathway CTE and ELA Standards)
9:45 - 10:10 am	Innovator Success
10:13 - 11:05 am	Applied Tech/Project Based Learning (STEM & Integration of Other Standards)
11:05 - 11:35 am	Lunch
11:38 - 12:27 pm	Project Based Learning ↔ STEM* (Social Studies Standards)
12:30 - 1:27 pm	Project Based Learning ↔ Health Science (Science Standards)
1:30 - 2:20 pm	Project Based Learning ↔ Computer Science* (Math Standards)

* Indicates a co-taught course with content expert

WEST VALLEY INNOVATION CENTER

8TH GRADE SCHEDULE

Time	Courses
7:45 - 9:43 am	CORE Program Pathway (Grade 7-9 Cohort: Pathway CTE and ELA Standards)
9:45 - 10:10 am	Innovator Success
10:13 - 11:05 am	Applied Tech/Project Based Learning (STEM & Integration of Other Standards)
11:05 - 11:35 am	Lunch
11:38 - 12:27 pm	Project Based Learning ↔ Computer Science* (Algebra Standards)
12:30 - 1:27 pm	Project Based Learning ↔ Computer Science* (Social Studies Standards)
1:30 - 2:20 pm	Project Based Learning ↔ Sustainable Design (Science Standards)

* Indicates a co-taught course with content expert

WEST VALLEY INNOVATION CENTER

9TH GRADE SCHEDULE

Time	Courses
7:45 - 9:43 am	CORE Program Pathway (Grade 7-9 Cohort: Pathway CTE and ELA Standards)
9:45 - 10:10 am	Innovator Success
10:13 - 11:05 am	PBL ↔ Biology (Science Standards)
11:05 - 11:35 am	Lunch
11:38 - 12:27 pm	Project Based Learning (Social Studies and other Standards) ↔ Health and Wellness (Health and PE Standards)
12:30 - 1:27 pm	Project Based Learning (Social Studies and other Standards) ↔ STEM / Computer Science* (Algebra and Geometry Standards)
1:30 - 2:20 pm	Project Based Learning (Social Studies and other Standards) ↔ Computer-Aided Design (Art Standards)

* Indicates a co-taught course with content expert

WEST VALLEY INNOVATION CENTER

GRADES 10 - 12 SCHEDULE

Time	Courses
7:45 - 8:43 am	Personalized Learning Time (WVHS, WVVA, Project-Based Learning, Work-Based Learning, and various other Innovation Center courses
8:45 - 9:43 am	Personalized Learning Time (WVHS, WVVA, Project-Based Learning, Health/Fitness, Work-Based Learning, and other Innovation Center courses
9:45 - 10:10 am	Innovator Success
10:13 - 11:55 am	Core Program Pathway (Math, CTE, and other required standards)
11:55 - 12:30 pm	Lunch
12:30 - 2:20 pm	Core Program Pathway (ELA, CTE, and other required standards)

Note: The schedules for 2025-26 differ from the 2024-25 schedules to provide time for daily math integration for Grades 7-10 and additional focused time for grade-level standards, project-based learning, innovator support, co-teaching, and expanded opportunities for Grades 10-12.