



DAVIS CATALYST CENTER

Self-Guided Tour

Welcome! We're glad you're here.

The Catalyst is a Career & Technical Education high school within Davis School District. Students attend their home high school for core classes and come here to pursue career-focused programs. Follow the numbered stops on this guide to explore every program at your own pace.

FAQ'S

- ✓ Students must complete an application to apply to the Catalyst.
- ✓ Classes are double-blocked (two consecutive periods).
- ✓ Buses are available to and from Catalyst.
- ✓ Earn elective and CTE credit for graduation, and optional college credit.
- ✓ Real projects with local business partners.
- ✓ Admission requires good attendance, prerequisites, and no U's.

TOUR STOPS

LOWER LEVEL — Through the Main Office		
1	Graphic Design	Students create flyers, marketing materials, and merch for the school store — hoodies, hats, stickers, and tees. They learn Photoshop and can earn Adobe certifications in Photoshop and InDesign. The store is completely student-run, start to finish.
2	Digital Media Capstone	Students produce short films with animation and original music and build mini video games using skills from across the Digital Media pathway.
LOWER LEVEL — A/V Lab (Left of main stairs)		
3	Audio Production	Students record podcasts and songs for local bands in professional recording studios and editing bays. They host a monthly Concert Night featuring local high school musicians. Students can certify in AVID Pro Tools — the same software used by professionals in the industry.
4	Video Production	Students film real projects for community business partners using industry cameras, lighting rigs, and scripts. The LED wall is one of a kind in a U.S. high school — It is the same technology used in Marvel films, The Mandalorian, and Star Wars.
LOWER LEVEL — West side Back Hall		
5	Drone Lab	Three course tracks: Maintenance & 3D Print Design, Pilot, and Capstone. Students repair drones, solder motherboards, 3D-print parts, and can earn their FAA Part 107 Pilot Certificate — a driver's license for the sky that opens the door to starting a business or working as a drone pilot.
LOWER LEVEL — Multipurpose Room		
6	Aspiring Educators	Students visit local elementary and junior high classrooms and teach real lessons. Guest speakers cover careers in counseling, administration, special education, and more. Students practice real classroom management in Elementary classrooms — not just out of a textbook.
LOWER LEVEL — Café		
7	Culinary Arts	ProStart students help run the Catalyst Café and cater for real events. Baking & Pastry students pass off skills making macarons, donuts, tarts, cakes, and more — over 90% of class time is in the kitchen. Students earn their Food Handler's Permit, and ProStart students can earn a Manager's License.
LOWER LEVEL — Across the hall from Culinary		
8	Business & Marketing	Students manage Catalyst's social media and run real campaigns for community partners like Lagoon. They also produce Invest Nest, a district-wide Shark Tank-style competition with a \$10,000 grand prize for student entrepreneurs.

↓ Continue on back for Outside & Upper Level ↓



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OUTSIDE

9	Construction Management	Students build full Tiny Homes from the ground up — framing, electrical, plumbing, insulation, sheetrock, and finish work. The completed homes go to The Other Side Village, a community in Salt Lake that helps residents develop job skills and eventually live independently.
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UPPER LEVEL — West Side of Open Collab

10	Pilot & Aviation	Students prepare for their FAA Ground School exam using flight simulators and in-class study. Completing this course puts students on the path to earning a private or commercial pilot's license — Priority is given to students with a genuine interest in a career in aviation.
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UPPER LEVEL — West Side (Health Sciences Suite)

11	Physical Therapy	Students earn their Physical Therapy Aide Certificate and visit real PT clinics every Wednesday for hands-on training with actual patients. Concurrent enrollment credit is available through Salt Lake Community College.
12	Pharmacy Technician	A one-year program where students earn their Pharmacy Tech License and complete a 180-hour externship in a real pharmacy. Students practice technical skills, customer service, and professional etiquette.

13	Medical Assisting	This year long program prepares students for a career in the medical field. Students learn to do what a Medical Assistant does in a real clinic — taking vitals, assisting with immunizations, drawing blood, and so much more. A 160-hour externship leads to a Registered Medical Assistant Certificate.
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UPPER LEVEL — East Side (Cyber Suite)

14	Game Design	Student teams build original video games from scratch and publish them on the Epic Games Store under Catalyst Games. Artists use Unreal Engine and Blender; programmers build the back end of the games.
15	Computer Programming Capstone	Students develop software for real team projects while working toward their Weber State Certificate of Completion, building a portfolio of professional-grade work along the way.
16	Cyber Security	Students build their own servers and networks in an air-gapped lab — completely isolated from outside computers, which is the same setup used by governments and high-security organizations. Projects include server management, AI challenges, and ethical hacking.
17	Web Development	Students design and launch real websites for local businesses, starting with a test site before moving on to live client projects.
18	AI Engineering	Students explore artificial intelligence and build AI-powered projects, gaining skills that are showing up in nearly every industry and career path.

Coming Soon!

19	Engineering Capstone	Students apply science, technology and mathematical concepts and skills to solve engineering design problems. Students research, develop, test and analyze designs using criteria such as cost, effectiveness, safety, human factors, and ethics.
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Questions? Chat with a Catalyst Ambassador or visit davicatalyst.org