

Senior Technology Projects | Scope & Sequence

Senior technology projects are for middle or high school students. They prepare students for higher learning and career readiness. Activities emphasize real-world applications of technology. Students market products, build databases, and more!

COMPUTER APPLICATIONS DIGITAL LITERACY					COMPUTER SCIENCE
Grades 8-12	TechnoWonderland	TechnoMission	TechnoSpecialist	TechnoAd	COMING SOON TechnoChatbot AI
	Manage an amusement park to learn about Microsoft Office. Produce a flyer, design a map, create signs, poll customers, advertise rides, and more!	Manage data. Plan a simple database. Build a table and data entry form. Filter and sort records. Generate a report that summarizes information.	Develop an information package about hardware. Explain the attributes of computer components to educate the public in making purchasing decisions.	Become a digital marketer. Analyze data to develop a marketing strategy to target customers. Produce a persuasive video ad.	Build chatbots that answer questions and automate tasks. Develop AI solutions that assist event attendees, record fundraiser orders, and recruit new members.
	<i>Word, Excel, PowerPoint, Publisher, Access</i> word processing, Internet, spreadsheets, presentation, desktop publishing, data management	<i>Access, Paint</i> computer studies, data management	<i>PowerPoint</i> computer hardware, presentation	<i>Forms/Excel/Word or Forms/Sheets/Docs, Blender</i> media literacy, video production, marketing, data management	<i>Scratch, Bot Libre</i> coding, artificial intelligence, business studies
	TechnoAdvertise	TechnoInvestor	TechnoPhotoshop		
Role-play a marketing executive. Submit a cover letter and résumé to apply for the job. Once hired, design a flyer, catalog, custom mailer, and newsletter.	Buy and sell stocks on the TechnoStock Exchange. Track the investments and graph future earnings. Report the portfolio holdings and justify decisions.	Edit photos to produce a digital scrapbook. Filter, retouch, crop, warp, recolor, and superimpose images. Apply design techniques to lay out pages.			
<i>Word</i> marketing, word processing	<i>Excel, Word</i> financial literacy, spreadsheets	<i>Adobe Photoshop</i> media arts, graphic design, photo editing			
	TechnoPlanner	TechnoAnimate			
	Construct a database for a party planning business. Build tables, forms, queries, and reports to organize customer and event information.	Animate drawings to make a movie. Create scenes with motion tweens, shape tweens, and motion paths. Set the action and sound on the Timeline.			
	<i>Word, Access</i> business studies, data management	<i>Adobe Animate</i> media arts, animation			