



IT Cluster Network Systems



Elementary		Middle School	6 th Grade	7 th Grade	8 th Grade
Integrated Lessons (KITS)*				Exploring Technology*	Invention & Innovation*
High School	9 th Grade	10 th Grade	11 th Grade	12 th Grade	
	English I	English II	English III	English IV	
	Algebra I or Geometry	Geometry or Algebra II	Algebra II, Pre-Calculus, or Trigonometry	Trigonometry or Calculus	
	Physical Science or Biology I	Biology I or Chemistry I	Chemistry or Physics	AP Biology, AP Chemistry, or AP Physics	
	Geography/State History	World History	American History	Economics/Government	
	Required Courses/Electives PE, Health, Art, Foreign Language, or Computer Technology Career Electives Foundations of Technology * (Transition Course)	Required Courses/Electives PE, Health, Art, Foreign Language, or Computer Technology Career Electives Choose one: Technological Design* Technological Issues* Impacts of Technology *	Advanced Technology/Engineering Electives Choose one: Advanced Design Applications* Advanced Technological Applications*	Technology Capstone Engineering Design*	
Post-Secondary	Technology Center	Community College	College/University		
	<input type="checkbox"/> Business and Computer Technology <input type="checkbox"/> eCommerce and Web Services <input type="checkbox"/> Information Services <input type="checkbox"/> Network Services <input type="checkbox"/> Cyber Security	<input type="checkbox"/> Computer Program and Computer Science <input type="checkbox"/> Graphic Design and Visual Communications <input type="checkbox"/> E-Commerce <input type="checkbox"/> Computer Information Systems <input type="checkbox"/> Information Technologies	<input type="checkbox"/> Management Information Systems <input type="checkbox"/> Management Science & Computer Systems <input type="checkbox"/> E Commerce <input type="checkbox"/> Computer Science <input type="checkbox"/> Information Science		
Career Enhancement Options	Work-based Learning Options		Short-Term Training Options		
	Job-Shadowing: Internship/Mentorship: On-The-Job Training:		<input type="checkbox"/> Advanced Networking <input type="checkbox"/> Desktop Certifications <input type="checkbox"/> Linux I <input type="checkbox"/> Linux II <input type="checkbox"/>	<input type="checkbox"/> Windows XP <input type="checkbox"/> Network + <input type="checkbox"/> Internet Network and Security	

*These courses are part of the Engineering byDesign™ Program curriculum. More information is available at www.teachstem.org