



# IT Cluster Interactive/Digital Media Pathway



Elementary		Middle School	6 <sup>th</sup> Grade	7 <sup>th</sup> Grade	8 <sup>th</sup> Grade
Integrated Lessons (KITS)*				Exploring Technology*	Invention & Innovation*
High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> 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	
	<b>Required Courses/Electives</b> PE, Health, Art, Foreign Language, or Computer Technology  <b>Career Electives</b> Foundations of Technology * (Transition Course)	<b>Required Courses/Electives</b> PE, Health, Art, Foreign Language, or Computer Technology  <b>Career Electives</b> Choose one: Technological Design* Technological Issues* Impacts of Technology *	<b>Advanced Technology/Engineering Electives</b> Choose one: Advanced Design Applications* Advanced Technological Applications*	<b>Technology Capstone</b> 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](http://www.teachstem.org)