

Integrated Business Applications 7 - Computer Science (Scope and Sequence)

Topic		Topic	
Unit 1 - Computing Systems	Approximate Duration: 10 days	Unit 2 - Programming	Approximate Duration: 10 days
Activity		Activity	
This unit will introduce students to the fundamentals of computer science. Students will learn how computer science affects the world around us, what makes a computer operate, hardware and software, input and output, data and storage, and basic troubleshooting techniques.		This unit will introduce students to computational thinking, algorithms, and programming fundamentals while drawing connections between them. Students will learn how to effectively design flowcharts, write algorithms, and program them into a language a computer can understand through various online coding platforms. Students will be exposed to various programming languages while learning universal programming principles.	

Topic		Topic	
Unit 3 - Networks and Internet	Approximate Duration: 13 days	Unit 4 - Future of Technology	Approximate Duration: 12 days
Activity		Activity	
This unit will introduce students to the fundamentals of the Internet and how computers communicate to provide greater global connectivity. Students will learn about various digital citizenship topics and examine how it relates to their lives.		Students will be introduced to positive and negative ways technology can affect society and communities. This will include advancements in Artificial Intelligence.	