

	Computer Applications (9th)	Advanced Computer Applications - DMACC (new 13-14)	Multimedia	Advanced Video Production I (new 13-14)	Advanced Video Production II (new 13-14)	Advanced Video Production III (13-14)	Web Design I	Web Design II (DMACC)	Programming I	Programming II	AP Computer Science	Virtual Reality I	Virtual Reality II	Virtual Reality III	Virtual Reality IV
Standard 4	Demonstrate critical thinking skills using appropriate tools and resources to plan and conduct research, manage projects, solve problems and make informed decisions.														
Benchmark J:	Identify and define authentic, real-world problems and significant questions for investigation.														
Objective	Use technology to develop questions about real-world business application problems. (research current events and apply to your local events)	Use technology to develop questions about real-world business application problems. (research current events and apply to your local events)	Use technology to develop questions about real-world multimedia problems. (research current events and apply to your local events)	Use technology to develop questions about real-world video production problems. (research current events and apply to your local events)	Use technology to develop questions about real-world video production problems. (research current events and apply to your local events)	Use technology to develop questions about real-world video production and special effect problems. (research current events and apply to your local events)	Use technology to develop questions about real-world web design problems. (research current events and apply to your local events)	Use technology to develop questions about real-world web design problems. (research current events and apply to your local events)	Use technology to develop questions about real-world programming problems. (research current events and apply to your local events)	Use technology to develop questions about real-world programming problems. (research current events and apply to your local events)	Use technology to develop questions about real-world programming problems. (research current events and apply to your local events)	Use technology to develop questions about real-world modeling problems. (research current events and apply to your local events)	Use technology to develop questions about real-world modeling problems. (research current events and apply to your local events)	Use technology to develop questions about real-world modeling problems. (research current events and apply to your local events)	Use technology to develop questions about real-world modeling problems. (research current events and apply to your local events)
Benchmark K:	Plan and manage activities to develop a solution or complete a project.														
Objective	Create a plan to effectively use multiple computer application and other resources to research and present solutions to a problem.	Create a plan to effectively use multiple computer application and other resources to research and present solutions to a problem.	Create a plan to effectively use multimedia and other resources to research and present solutions to a problem.	Create a plan to effectively use multiple video production and other resources to research and present solutions to a problem.	Create a plan to effectively use multiple video production and other resources to research and present solutions to a problem.	Create a plan to effectively use multiple video production, special effects, and other resources to research and present solutions to a problem.	Create a plan to effectively use multiple web design and other resources to research and present solutions to a problem.	Create a plan to effectively use multiple web design and other resources to research and present solutions to a problem.	Create a plan to effectively use multiple programming and other resources to research and present solutions to a problem.	Create a plan to effectively use multiple programming and other resources to research and present solutions to a problem.	Create a plan to effectively use multiple programming and other resources to research and present solutions to a problem.	Create a plan to effectively use multiple learning resources to research and present solutions to a problem.	Create a plan to effectively use an expanded library of learning resources to research and present solutions to a problem.	Create a plan to effectively use an expanded library of learning resources to research and present solutions to a problem.	Create a plan to effectively use an expanded library of learning resources to research and present solutions to a problem.
Benchmark L:	Collect and analyze data to identify trends, solutions, or make informed decisions.														
Objective	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible computer application solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible computer application solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible multimedia solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible video production solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible video production solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible video production and special effect solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible web design solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible web design solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible programming solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible programming solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible programming solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible modeling solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible modeling solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible modeling solutions.	Use technology to gather appropriate data, analyze its application to a task, and assess its effectiveness in developing and testing possible modeling solutions.
Benchmark M:	Use multiple processes and diverse perspectives to explore alternative solutions.														
Objective	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to multiple computer application solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to multiple computer application solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to multiple media solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to video production solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to video production solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to video production and special effect solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to multiple web design solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to multiple web design solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to multiple programming solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to multiple programming solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to multiple programming solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to 3D modeling solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to 3D modeling solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to 3D modeling solutions.	Gather and analyze information from a variety of sources in order to understand differing viewpoints as they apply to 3D modeling solutions.