

MIDDLE TOWNSHIP PUBLIC SCHOOLS
CAPE MAY COURT HOUSE, NJ 08210
CURRICULUM GUIDE

DISCIPLINE: Technology GRADE LEVEL/COURSE: 9-12/Computer Systems

Standard	Essential Questions	Activities for Differentiation & *Modifications	Interdisciplinary Connections	21 st Century Skills & Career Ready Practices Integration	Benchmark Assessments	Instructional Materials	Timeframe
8.1.12.A.1	How do you create a website? How do you enhance photographs using Photoshop?	Create a website for use as a digital portfolio		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	3 weeks
8.1.12.A.2	How do you use Power Point?	Slide show presentation projects		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	3 weeks
8.1.12.A.4	How do you use Excel?	Spreadsheet and graphing projects	Math Science	CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	3 weeks
8.1.12.A.5	How do you use Microsoft Access?	Database projects	Math Science	CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	3 weeks

***Modifications for ELL, Special Education, Title I, and Gifted**

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8.1.12.B.2	How do you create a tutorial using multimedia tools? How do you use create and edit video using Movie Maker?	Video tutorial project		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	4 weeks
8.1.12.D.1	Why is it important to have laws regarding intellectual property?	Research projects	English Social Studies	CRP2 CRP3 CRP6 CRP11 9.1.12.F.3	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	1 week
8.1.12.D.2	What is Hacking? What are	Research projects		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	2 weeks

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	computer viruses?			9.1.12.F.4			
8.1.12.D.3	How has the computer had an impact on different cultures and societies?	Research projects		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	2 weeks
8.1.12.D.4	How has the computer had an impact on different cultures and societies?	Research projects		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	2 weeks
8.1.12.D.5	How can the internet be used as a proper information search tool?	Research projects		CRP2 CRP3 CRP6 CRP10 CRP11 9.2.12.A.2	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	4 week

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Standard	Essential Questions	Activities for Differentiation & *Modifications	Interdisciplinary Connections	21 st Century Skills & Career Ready Practices Integration	Benchmark Assessments	Instructional Materials	Timeframe
	<p>How does a computer network work?</p> <p>What types of careers in computers are available?</p> <p>How is a computer built?</p>						
8.1.12.E.1	How can the internet be used as a proper information search tool?	Research projects		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	1 week

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8.1.12.E.2	How has the computer had an impact on different cultures and societies?	Research projects		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	1 week
8.1.12.F.1	How can the internet be used as a proper information search tool? How does a computer network work? What types of careers in computers are available?	Research projects		CRP2 CRP3 CRP6 CRP10 CRP11 9.2.12.A.2	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	4 weeks

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	How is a computer built?						
8.2.12.B.3	Why is it important to have laws regarding intellectual property?	Research project	English Social Studies	CRP2 CRP3 CRP6 CRP11 9.1.12.F.3	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	1 week
8.2.12.B.4	Who are some of the pioneers in the computer field?	Research projects Videos		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	2 weeks
8.2.12.C.1	What is open-source?	Research project		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	1 week

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8.2.12.E.1	How do you design and create a program? How do computers make decisions?	Programming projects	Math	CRP2 CRP3 CRP6 CRP11 9.1.12.A.1	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	9 weeks
8.2.12.E.2	How is a computer built?	Research project		CRP2 CRP3 CRP6 CRP11	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	2 weeks
8.2.12.E.3	How do you design and create a program? How do computers make decisions?	Programming projects	Math	CRP2 CRP3 CRP6 CRP11 9.1.12.A.1	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	9 weeks

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	How do programs use loops?						
8.2.12.E.4	How do you design and create a program? How do computers make decisions? How do programs use loops?	Programming projects	Math	CRP2 CRP3 CRP6 CRP11 9.1.12.A.1	- Tests - Quizzes - Projects	- Computer - Internet - Instructional Handouts	9 weeks

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