

INFORMATION TECHNOLOGY (15%)

Activity				
Activity Type	Rubric Name	Activity Name	Description	Points
Certifications	Certification Rubric	Pass the Cisco Academy Class	BHS Cisco Courses 1 & 2, and 3 & 4.	3
Certifications	Certification Rubric	Pass the Cisco Certification Exam	This professional certification demonstrates that one is well-prepared to build, manage, and repair computer networks in a multitude of industries.	5
Certifications	Certification Rubric	Take and Pass the iSkills Exam	Take and pass a new high school senior/college freshmen assessment of basic tech skills administered by the College Board	2
Certifications	Certification Rubric	Pass the Advanced Placement Computer Science Exam	A high score on this exam will allow one to bypass and get credit for first-year computer courses at hundreds of universities around the country.	5
Creativity/Design	Multimedia Rubric	Design a team website, extracurricular club or extension of school website	This must be online and available through the Bethpage Public School website for at least half of a school year.	1
Creativity/Design	Multimedia Rubric	Build a website with a forum, Flash, or other dynamic content	In addition to making a website, one might have to: -use web programming languages such as PHP, CSS, or advanced HTML (DHTML, XML), -adapt/develop small Java applets, -use Flash to add motion to the site, or even make it interactive, -include a way to exchange messages, have polls, etc.	2
Creativity/Design	Multimedia Rubric	Design a Video Game using a program, studio, or engine	This could be with a program like Alice or Scratch, where little or no typing is involved, and a program can be put together by dragging and dropping commands. a dungeon or game builder such as Game Maker 7, a game engine such as Quake, Half-Life, Doom, etc., It must be more than a map. It must contain some kind of plot, character, and concept.	2
Creativity/Design	Multimedia Rubric	Program a Video Game by using ActionScript, Java, C++, OpenGL or other language	This means that one has programmed a game from scratch, using raw code	3
Creativity/Design	Multimedia Rubric	Create a media installation for showing in public kiosk or projector in cafeteria	Computer-based art can be something to look at, or even interact with	2

Creativity/Design	Multimedia Rubric	Group of students create class newsletter	Show something you've learned, and speak nicely about the teacher, please	1
Creativity/Design	Multimedia Rubric	TI-83 Art	Drawing with math – who knew?	1
Creativity/Design	Multimedia Rubric	Writing Programs for TI-83	Make your own Blockman, just don't play your game in class	1
Creativity/Design	Multimedia Rubric	Create slideshow of book read for independent reading	Use PowerPoint, Picturshow, or present what you've read with your favorite program	1
Creativity/Design	Multimedia Rubric	Recreate scenes of literature via multimedia	o Multimedia can be combinations of video, audio (music and/or speaking), and writing. An example of multimedia are Living Books, where you can click on different words, pictures, page numbers, and so on. Each one performs an action afterwards.	3
Creativity/Design	Multimedia Rubric	Submit video to Bethpage YouTube	Just like YouTube, but serving the Bethpage Schools Community (appropriate content).	3
Creativity/Design	Multimedia Rubric	Create online quizzes for fellow students on topics	All quizzes must be appropriate for school.	1
Creativity/Design	Multimedia Rubric	Podcast on topic of interest to student	Why should teachers be the only ones to make podcasts?	2
Creativity/Design	Multimedia Rubric	Mentor younger students on TI-83 use	The best way to learn something is to teach it to someone else. Show what you know.	1
Creativity/Design	Multimedia Rubric	Utilize GPS in school project	Global Positioning System based on latitude and longitude, works off of satellites, and has accuracy within a few feet. o Geocaching is an activity where people hide objects in containers, and only list the coordinates. Often, the rule is that you leave what you find, swap it, or add something.	2
Creativity/Design	Multimedia Rubric	Statistical data analysis on topic using Excel, SPSS, or other software	Statistics is an area of math that helps one find answers for real-world questions. There are different formulas and tools in statistics, but programs exist that take raw numbers and will run different formulas for the user.	2
Creativity/Design	Presentation Rubric	Presenting to an audience "how stuff works" (e.g., cell phone)	This could be a lecture with multimedia, a breakdown display, or an "instructable".	3
Creativity/Design	Presentation Rubric	Build and individualize ("Mod") your own computer or electronic device.	Build your own PC from kit or materials.	1
Creativity/Design		Submit your own idea for a project	Submit your own idea for a project	

Participate/Visit	Visitation Rubric	Visitation to an IT place of business for career planning	The department or place of business that you visit must specialize in Information Technology. As with any other visitation, you must be able to show/explain what you've learned.	1
Participate/Visit	Participation Rubric	Participate in the Robotics Club and the FIRST competition	Robotics Club will be participating in national competition.	3
Participate/Visit	Participation Rubric	Participate in Fantasy Congress Online	(www.fantasycongress.org) Make democracy work by becoming a more active member. Go to the website to learn more.	1
Participate/Visit	Participation Rubric	Completion of Online Regents Review	Online classes aren't just for college students anymore. Through online practice we hope you will improve your score.	2
Participate/Visit	Writing Rubric	iTunes Lecture	Students attend one of the many college-level lectures found in iTunes U and writes reaction paper.	2
Participate/Visit	Participation Rubric	Participation in Online Book Discussion	Somewhere out there other people have read the same book as you, and would like others' thoughts and opinions to make better sense of it. Find them through a book discussion forum, and help each other sort it out. Let us know what you've learned.	2