



INFORMATION TECHNOLOGY CLUSTER

LESSON 1

Lesson Plan Title: Exploring IT Cluster		Instructor:
Suggested Total Time for Lesson (minutes): 100 minutes (2 days)		
Content Focus - What Will Students Learn? (Content Skill Sets)		
<p>Students will explore the different programs of studies in the IT Cluster:</p> <p>0972.IT.1456.31 Apply general design and programming concepts</p> <p>0972.IT.1456.32 Identify various hardware platforms and run-time environments</p> <p>0972.IT.1456.33 Identify human aspects in information systems</p> <p>0972.IT.1456.34 Identify general information technology (IT) definitions and terms</p> <p>0972.IT.1456.36 Exhibit understanding of data hierarchy, access methods, and manipulation</p>		
Materials and Resources- What do you need to assemble and prepare before the lesson?		
Materials: <ul style="list-style-type: none"> Download Adobe Light Room (if students have access to iPad) Download GIMP (if students have access to PC) Make copies of handouts (offline assignment) 		Resources: <ul style="list-style-type: none"> Project Guide – Make your Own Game Code.org
Lesson Outline: What learning activities will your students do?		
Time	Sequence/Description of Learning Activity	
5 minutes	Get Started/Explain: Students (or teachers) will divide the classroom into teams of 3-5	
90 minutes	Discover/Engage/Practice: Students will be handed: <ul style="list-style-type: none"> Resource – Project Guide (located in resources file) <ul style="list-style-type: none"> This will guide the students through the first part of the simulated workplace experience. Students will come up with a Game Description Do their first drawing Storyboard Look at Variables <ul style="list-style-type: none"> Charities Items End in mind Play Video 1 (located in resources file) 	
	Check for Understanding/Summarize/Close: Students will be guided through the process with a check list.	
Modifications, Support, and Extensions (for those students with IEP)		
Reflection- Did the students learn the content outlined in the lesson focus? Why or why not?		