






Multiple Category Scope and Sequence: Scope and Sequence Report For Course Standards and Objectives, Content, Skills, Vocabulary

Wednesday, August 20, 2014, 3:12PM



Unit	Course Standards and Objectives	Content	Skills	Vocabulary
District Basic <u>Intro to Communications Technology (21.0108) (District)</u>  2014-2015 <u>Collaboration</u>	<u>Introduction</u> (Week 1, 2 Weeks) 	<ul style="list-style-type: none"> ▪ What is communication technology? ▪ How to save files ▪ File directory system ▪ Impact of communication on society and world ▪ Copyright/rules/laws ▪ Proper internet etiquette ▪ Pathways in Communications 	Recognize different file types Demonstrate ability to save files properly in a specified place Discuss the implications of copyright law on student produced works Carry out proper internet etiquette in online interactivity	Level 1 (know already) <ul style="list-style-type: none"> ▪ Copyright ▪ Social Media ▪ Communication ▪ Society ▪ Internet ▪ Digital ▪ Save ▪ Save As...
				Level 2 (know what it is, but unique to this field) <ul style="list-style-type: none"> ▪ Etiquette ▪ Pathway
				Level 3 (don't really know, specific to this area) <ul style="list-style-type: none"> ▪ File extension ▪ File directory ▪ JPG ▪ Bitmap (bmp) ▪ TIFF ▪ GIF ▪ PNG
	<u>Photo manipulation</u> (Week 2, 2 Weeks) 	<ul style="list-style-type: none"> ▪ Selection tools (suggested examples include: rectangle, circle, lasso, magnetic lasso, magic wand, etc.) ▪ Editing tools (suggested examples include: blur, smudge, warp, free transform, clone, pattern) ▪ Drawing Tools (suggested examples include: shape, line, paint) 	<ul style="list-style-type: none"> ▪ Combine photos ▪ Modify the size of a photo ▪ Use selection tool bar tools ▪ Use editing tool bar tools ▪ Use drawing tool bar tools 	Level 1 (know already) <ul style="list-style-type: none"> ▪ Re-size ▪ Selection ▪ Edit
				Level 2 (know what it is, but unique to this field) <ul style="list-style-type: none"> ▪ Resolution ▪ PPI

- bucket, brush, gradient)
- Re-size pictures
- Opening, changing, and saving picture files
- Career opportunities in photo manipulation

- DPI
- Vector
- Erase
- Background
- Foreground
- Paint bucket
- Brush
- manipulation
- Layers
- Tool bar
- Selfie

Level 3 (don't really know, specific to this area)

- Pixels
- Gradient
- Raster



Do the following in a website:

- Create a table
- Create links
- Insert Images
- Change styles
- Create list
- Link multiple pages together

Career Opportunities in web development

- Recognize good and bad website design
- Design and produce a personal website
- Writing skills (come back later)

Level 1 (know already)

- Website

Level 2 (know what it is, but unique to this field)

- Start Tag
- End Tag
- Hyperlink
- Table
- List
- Styles
- File extensions (.HTML, .jpg, .css, .gif)
-

Level 3 (don't really know, specific to this area)

- HTML
- Style Sheet
- Attributes
- Hexidecimal
- Navigation

Programming



(Week 6, 3

Weeks)

- Logical sequence of commands
- Programming languages of code
- Construct virtual environment
- Produce short animated scene

Level 1 (know already)

- Code

Level 2 (know what it is, but unique to this field)

- Loop
- Conditional
- Infinite
- Programming
- Programming Language
- Sequence
- Timeline
- Functions
- Methods
- Virtual

Level 3 (don't really know, specific to this area)

- C++
- Javascript
- Java
- HTML
- C Sharp
- PHP
- Dynamic
- Static

Measurement



(Week 9, 1 Week)



UT: CTE: Technical and Engineering, UT: Grades 9-12, Introduction to Communications Technology
210108.03 STUDENTS WILL UNDERSTAND BASIC DRAFTING CONCEPTS AND SYSTEMS

- 210108.0301 Students will be able to identify drafting systems.

- the parts of a standard inch up to 1/16"
- the metric units of measure
- how to measure wavelength
- how to calculate pixels and font size
- how to change scale
- read a ruler with an accuracy of 1/16th inch
- read a ruler with an accuracy of 1mm
- change/calculate the scale of a scaled object

Tier 1

- eighth
- quarter
- half
- sixteenth
- measure
- meter
- millimeter
- centimeter
- kilometer
- metric
- decimal
- fraction

Tier 2

Graphic Communication



(Week 9, 4

Weeks)

- Elements of Design
- Principles of Design
- Graphic Design Software
- Career opportunities in Graphic Production and Graphic Design

- Apply elements of Design
- Apply Principles of Design
- Design and produce something (ie: poster, button, t-shirt, vinyl sticker, etc.) using elements of design
- Design and produce something using principles of design.
- Describe the use of elements and principles of design used to create previously mentioned projects

- point/points
- scale
- wave
- volume
- standard
- resolution

Tier 3

- pica
- pixel
- decible

Level 1 (know already)

- Typeface/fonts
- Resolution
- Pixel

Level 2 (know what it is, but unique to this field)

- Points
- Graphics (Vector and Raster)
- Printing-Color (CMYK)

Level 3 (don't really know, specific to this area)

- Leading
- Pica
- Elements of Design
 - Lines
 - Space
 - Shapes/Forms
 - Color
 - Value
 - Texture
- Principles of Design
 - Proportion
 - Balance
 - Rhythm
 - Variety
 - Emphasis
 - Unity

Audio Production 
 (Week 12, 3 Weeks)


- How to effectively tell a message with audio
 - How to edit audio
 - Importing/exporting
 - Different sound file types-uses, compatibility, etc.
 - Career opportunities in the audio industry
- Edit/produce an audio recording with voice, sound effects, and music
 - apply audio effects to a voice recording
 - Import sound files into an audio editing software environment
 - Export finished project to a recognizable audio file

Level 1 (already know)



- MP3
- Podcast
- Importing
- Sound Effects

Level 2 (already know, unique to this field)

- WAV
- WMA
- Exporting
- Loops
- Decibels
- Soundtrack
- Mixing

Level 3 (don't know yet)

- Foley
- Dubbing

Animation 
 (Week 14, 2 Weeks)


- Know and understand types of animation.
 - Application of animation (what careers have use of an animator).
 - How animation as evolved.
- Produce animation using various media platforms including exporting project.

Level 1 (know already)

- Computer Animation
 - 2D
 - 3D

Level 2 (know what it is, but unique to this field)

- Hand-Drawn Animation

Level 3 (don't really know, specific to this area)

- Frame
- Frame Rate
- Persistence of Vision
- Motion Capture
- Stop Motion

Video 
 (Week

- Steps of Movie Making
- Script Writing
- Show effective movie making techniques

Level 1 (know already)

16, 4 Weeks) 

- Storyboarding
- Filming
- Editing
- Career Opportunities in video

- Identify targeted audience when creating message (movie classification)
- Create a script
- Design Storyboards
- Produce a video

- Script
- Message
- Movie Critic
- Soundtrack
- Tri-pod

Level 2 (know what it is, but unique to this field)

- Copy right
- Marketing
- Public Service Announcements
- Close up
- Zoom

Level 3 (don't really know, specific to this area)

- Non-linear editing
- Continuity
- Pre-Production
- Production
- Post-Production
- Storyboard
- Screening
- Extreme Close up
- Wide Shots
- Medium Shots
- Establishing
- Pan
- Dolly
- Tilt
- Head room
- Lead room
- Rule of 3rd's