### Graphic Arts & Digital Design II



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Content	Visual & Performing Arts	Grade(s)	9 - 12
Area:			

### Graphic Arts & Digital Design II

Graphic art is any visual artistic representation typically produced in two-dimensions and includes painting, drawing, photography, printmaking. Graphic art also consists of drawn plans and layouts for interior and architectural designs. Design in the graphic arts often includes typography but also encompasses original drawings, plans, and patterns for the decorative arts (e.g., furniture, tapestry, ceramics), interiors, and architecture.

Digital design refers to what is created and produced for viewing on a screen and can include content such as multimedia presentations, web ads, digital billboards and signage, 2D animation and 3D modelling. Standard industry tools for digital design include Illustrator©, Photoshop© and InDesign© and languages featured in digital assets such as HTML, JavaScript and CSS3.

This course introduces students to the principles and techniques associated with both graphic arts (e.g. visual perception, value/shadowing, perspective (linear & atmospheric), and color/line/contour) and incorporates visual communication in digital and non-digital environments. Emphasis will be placed on the design-process using methods, strategies, and techniques to create original student artwork. Students will apply their knowledge of the elements and principles of design in order to strengthen their ability to visually communicate ideas on and off-screen. This course explores a range of design techniques using traditional art genres (portrait, still life, landscape) and media (graphite, charcoal, pen & ink) and software programs such as Adobe Photoshop and Illustrator.

Students will analyze, critique artworks and learn about the origins of graphic design in the history of art. Students will be exposed to a variety of disciplines within the graphic and digital design field, which include but are not limited to logo design, poster design, typography, packaging design, and illustration to create portfolios, presentations, and showcases in traditional and digital media.

Course Prerequisites: Graphic Arts & Digital Design I

### **Traditional Media:**

charcoal, graphite, pen/ink, etc.

### **Digital Media:**

Raster graphics with Photoshop, PixIr, Photopea Vector graphics with Illustrator, Gravit Designer Desktop publishing with Adobe Spark, Canva, Piktochart

### **Course Objectives/Learning Outcomes**

Upon completion of this course the student should be able to:

- 1. Produce an original body of artwork in a variety of traditional and digital mediums that demonstrates mastery of visual literacy, methods, techniques, and cultural understanding.
- 2. Demonstrate the ability to design successfully within specific requirements and parameters.
- Design, produce and edit a multi-page presentations and documents using grid visual organization for a commercial or professional audience using desktop publishing and/or graphics software; specifically applying the concepts of visual communication including visual unity, grouping and hierarchy.
- 4. Complete exploratory projects in design theory and practice which may be used to develop a presentation and/or portfolio of personal work.
- 5. Develop an understanding of the language of design, which includes critical theory, critique, history, technology, and craftsmanship.
- 6. Explore specifically the concept of visual perception as applied to visual communication.
- 7. Define and employ industry standard graphic design terminology to describe various projects and works of art.
- 8. Demonstrate ability to form and defend value judgments about graphic design and to communicate art ideas, concepts, and requirements to professionals and laypersons.
- 9. Demonstrate appropriate application of copyright, fair use and/or Creative Commons to an original work.

### **Common Core Anchor Standards**

CCSS.ELA-LITERACY.CCRA.SL.2 Integrate and evaluate information presented in diverse media and formats, including visually, quantitatively, and orally.

CCSS.ELA-LITERACY.CCRA.SL.5 Make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations.

CCSS.ELA-LITERACY.CCRA.SL.4 Present information, findings, and supporting evidence such that listeners can follow the line of reasoning and the organization, development, and style are appropriate to task, purpose, and audience.

### **Visual Literacy**

Synthesize those skills, media, methods, and technologies appropriate to creating, performing, and/or presenting works of art in dance, music, theatre, and visual art.

Create and develop visual form in response to communication problems, including an understanding of principles of visual organization/ composition, information hierarchy, symbolic representation, typography, aesthetics, and the construction of meaningful messages.

### **Technology Literacy**

Understand design-related tools and technology, including their roles in the creation, reproduction, and distribution of visual messages. Relevant tools and technologies include, but are not limited to, drawing, offset printing, photography, and time-based and interactive media (film, video, computer multimedia).

Use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.

### Critical Thinking/Information Literacy

Describe and respond to the audiences and contexts, which communication solutions must address, including recognition of the physical, cognitive, cultural, and social human factors that shape design decisions. develop an understanding of the nature and impact of technology, engineering, technological design, and the designed world, as they relate to the individual, global society, and the environment.

Determine and use the appropriate application of resources in the design, development, and creation of a technological product or system.

Identify current intercultural and global issues as they relate to visual communication. Apply ethical reasoning to create sustainable, and socially and environmentally responsible design solutions.

Unit 1: Drawing with Traditional Media		
Subject: Graphic Arts and Digital Design II  Teacher: Tyler Anewalt		
Grade: 10 -12	Duration: 10 Weeks	

### **Summary of Unit**

Traditional drawing is a necessary foundation and prerequisite for all creative applications and creative careers. The skills acquired while learning to draw are essential to the development of an individual's ability to accurately perceive visual information. The basic skills employed by learning to draw are perception of edges, perception of spaces, perception of relationships, perception of light & shadow, perception of the whole or gestalt. This unit will cover drawing with traditional media: graphite, charcoal, and ink on paper. The unit focuses on visual perception through observation and rendering of authentic observations through conventional drawing techniques and subjects. Subjects are to include form (still life), figure drawing and portraiture, and linear perspective.

### **Topics**

### Unit 1.1: Drawing with Graphite

Materials review: graphite pencils, graphite sticks, erasers, paper types, quality and care Quality of shading, blending, tonal gradation Drawing 3-D forms on 2-D surfaces Composition design and layout Preliminary line sketching Simplifying and blocking subject into geometric primitives

Using perspective in preliminary outline sketch Calculating proportions, relation of proportions Enveloping and using aligned points as references for accuracy in preliminary sketching

Measuring with pencils and viewfinders
Techniques for drawing proportionally
Point of view/vantage point

Advanced grid-drawing, diagonals & Lorrain method 1-point perspective (Review)

2-point perspective, 3-point (potential extension)
Drawing from direct observation

Implied texture

### **Unit 1.2: Drawing with Charcoal**

Perception and rendering of light and atmosphere Blocking of shadows Texture, shading, and blending techniques Chiaroscuro Figure and anatomy drawing Drawing on toned paper or subtractive drawing

### Unit 1.3: Inking

Controlling ink with pens and bushes Variation of line width and stroke Value and texture with ink Representing volume with direction of stroke

### **Desired Results**

### Essential Questions

- How/why is drawing a foundation for all creative arts and creative careers?
- How/why can drawing support learning of other subjects?
- How can the skill of observational drawing be applied to other subjects?
- Why does the practice of drawing increase the human brains ability to think creatively?

### Enduring Understandings

- The elements of art and principals of design are central to the creation of all works of art.
- Visual perception is key in drawing as well as other creative processes.
- Works of art can be judged through individual outlooks in terms of craftsmanship and technical skill, innovation and originality, historical significance and cultural context.
- Exposure to various cultures and experiences influences the creation and perception of artworks.

21st Century Themes	Global Awareness
	Environmental Literacy
	Health Literacy
	Civic Literacy
	Creativity & Innovation
	Critical Thinking and Problem Solving
	Communication
	Collaboration

### Student Learning Targets/Standards

- **1.1 The Creative Process:** All students will demonstrate an understanding of the elements and principles that govern the creation of works of art in dance, music, theatre, and visual art.
  - 1.1.12.D.1 Distinguish innovative applications of the elements of art and principles of design in visual artworks from diverse cultural perspectives and identify specific cross-cultural themes.
- **1.2 History of the Arts and Culture:** All students will understand the role, development, and influence of the arts throughout history and across cultures.
  - 1.2.12.A.1 Determine how dance, music, theatre, and visual art have influenced world cultures throughout history.
  - 1.2.12.A.2 Justify the impact of innovations in the arts (e.g., the availability of music online) on societal norms and habits of mind in various historical eras.
- **1.3 Performance:** All students will synthesize those skills, media, methods, and technologies appropriate to creating, performing, and/or presenting works of art in dance, music, theatre, and visual art.
  - 1.3.12.D.1 Synthesize the elements of art and principles of design in an original portfolio of two- and three-dimensional artworks that reflects personal style and a high degree of technical proficiency and expressivity.
  - 1.3.12.D.2 Produce an original body of artwork in one or more art mediums that demonstrates mastery of visual literacy, methods, techniques, and cultural understanding.
  - 1.3.12.D.3 Organize an exhibit of personal works of visual art that convey a high level of understanding of how the expression of ideas relates to the art media, art mediums, and techniques used.
  - 1.3.12.D.4 Analyze the syntax and compositional and stylistic principles of two- and three-dimensional artworks in multiple art media (including computer-assisted artwork), and interpret themes and symbols suggested by the artworks.
  - 1.3.12.D.5 Identify the styles and artistic processes used in the creation of culturally and historically diverse two- and three-dimensional artworks, and emulate those styles by creating an original body of work.
- **1.4 Aesthetic Responses & Critique Methodologies:** All students will demonstrate and apply an understanding of arts philosophies, judgment, and analysis to works of art in dance, music, theatre, and visual art.

### A. Aesthetic Responses

- 1.4.12.A.1 Use contextual clues to differentiate between unique and common properties and to discern the cultural implications of works of dance, music, theatre, and visual art.
- 1.4.12.A.2 Speculate on the artist's intent, using discipline-specific arts terminology and citing embedded clues to substantiate the hypothesis.
- 1.4.12.A.3 Develop informed personal responses to an assortment of artworks across the four arts disciplines (dance, music, theatre, and visual art), using historical significance, craftsmanship, cultural context, and originality as criteria for assigning value to the works.
- 1.4.12.A.4 Evaluate how exposure to various cultures influences individual, emotional, intellectual, and kinesthetic responses to artwork.

### **B. Critique Methodologies**

- 1.4.12.B.1 Formulate criteria for arts evaluation using the principles of positive critique and observation of the elements of art and principles of design, and use the criteria to evaluate works of dance, music, theatre, visual, and multimedia artwork from diverse cultural contexts and historical eras.
- 1.4.12.B.2 Evaluate how an artist's technical proficiency may affect the creation or presentation of a work of art, as well as how the context in which a work is performed or shown may impact perceptions of its significance/meaning.
- 1.4.12.B.3 Determine the role of art and art-making in a global society by analyzing the influence of technology on the visual, performing, and multimedia arts for consumers, creators, and performers around the world.

### **Activity Plan**

### Vocabulary:

Elements of Art: Line, Shape, Form, Color, Texture, Value, Space

Principles of Design: Unity, Variety, Contrast, Balance, Emphasis, Movement, Pattern

Observational Drawing, Proportion, Render

Visual Perception, Edges, Light and Shadow, Composition

Stroke, Mark Making, Tonal Gradation, Hatching, Rhythm

Linear Perspective, Receding Lines, Horizon Line, Vanishing Point

Atmospheric Perspective

Depth, Foreground, Middle Ground, Background

Viewpoint/Vantage Point

Cast Shadow, Form Shadow, Mid-tone, Highlight, Reflective Light, Chiaroscuro

Still Life, Figure, Gesture, Portraiture, Landscape

Archival

### Reference Materials and Resources:

Instructional drawing books

Drawing on the Right Side of the Brain, Betty Edwards

The Art of Drawing: The Complete Course, David Sanmiguel

Art history textbooks

Step by step drawing books

Online resources

Free stock photo websites:

https://unsplash.com/

https://pixabay.com/

Teacher compiled image and text resources and references

Printing capability for resources and reference images

### Materials:

Pencil sharpeners, 90lb drawing paper, graphite pencils, graphite sticks, polymer erasers, blending stumps Charcoal drawing paper, newsprint paper, compressed charcoal, charcoal pencils, white charcoal, vine charcoal, kneaded erasers

Bristol paper, tracing paper, black markers (various sizes), ink and brushes

Forms and objects for still life, mannequins, rulers/T-squares, drawing boards, clips, tape, reference images Materials for displaying student work

### Activities:

Value scales, marking making exercises, exploration of materials

Review and practice of drawing of geometric primitives and forms

Drawing of combined/complex geometric primitives and forms

Drawing from reference images

Perspective drawings

Drawing from direct observation

Contour line drawing

Figure drawing, gesture drawing

Portraiture

Preliminary sketching, thumbnail sketching

Subtractive drawing / drawing on toned paper

Critiques and class discussions

Scanning and photographing drawings for digital portfolio

### Assessment/Culminating Projects/Rubrics/Critiques

### **Observational Drawing**

Drawing from Reference Images, Lorrain Method Diagonal Girds

Portraiture, Figure and Anatomy Drawing

2-Point Perspective Drawing, Objects in perspective

**Subtractive or Drawing on Toned Paper** 

Unit 2: Bitmap Graphics	
Subject: Graphic Arts and Digital Design II	Teacher: Tyler Anewalt
Grade: 10 -12	Duration: 15 Weeks
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Su	ummary of Unit
Bitmap graphics are images composed of a matrix of dots or pixels. Bitmap files store information for a large number of pixels which are organized into a grid to create an image. Bitmap (or Raster) image editing applications are essential tools for creative professionals like designers, graphic artists, and photographers. In addition, professionals in many other fields such as advertising, web development, marketing, and publications use these applications extensively. Most widely used for image editing, retouching, and compositing, Photoshop is the most comprehensive and versatile bitmap image editing software available. In this unit students will become familiar using Photoshop and similar applications to explore the potential for creating and editing bitmap images through a variety of project-based assignments. This unit will provide a foundation of skill and knowledge that will be used across all graphics applications including Photoshop and Illustrator.	
Topics	

### Unit 2.1: Digital Design Basics

Principals of Graphic Design: Contrast, Repetition Alignment, Proximity

Copyrights and fair use of images

Finding and downloading stock images review

Image quality

Image size and resolution

File management and file organization

Industry standard applications and alternatives

Native and portable file formats

Extended learning resources

### Unit 2.2: Working with Bitmap Images

Application interface, navigation, panels,

tools, and menus

Creating new documents

Image resolution, image size, file size

Saving, opening and importing images

Using History panel

Using Layers panel

Create new, duplicate, delete

Lock and Visibility

Fill layers and Gradients

Arrange, forward/backward

Grouping

Merge, merge down, flatten

Opacity, transparency and fill

**Blend Modes** 

Layer Styles

Crop Tool

Resizing and Resample

Grids, rulers, and guides

Move tool, rotate, and flip commands

Transform and constraining proportions

Scale, Perspective, Distort

Puppet Warp

Alianment tools

Saving native file formats, (.psd,.pxd)

Exporting (.jpeg, .png, .pdf)

### **Unit 3.3: Making Selections and Using Masks**

Making selections with Marquee, Lasso, Quick Selection, Marie Wand tools

Selection, Magic Wand tools

Color Rage Selections

### **Unit 3.4: Retouching and Repairing**

Clone Stamp tool

Healing tool

Patch tool

Burn and Dodge

Content Aware Fill and Patch

Removing objects

Nondestructive strategies

Portrait retouching

### **Unit 3.5: Adjustment Layers and Filters**

Adjustment layers in detail

Brightness & Contrast, Hue &

Saturation, Vibrance, Curves, Levels,

Exposure, Threshold

Common Filters, Sharpen and Blur Filters

Depth of Field

Smart Filters

Selective adjustments and filters

### **Unit 3.6: Digital Painting**

Color and Swatches panels

Foreground/Background color

Brush tool:

Hardness/softness

Stroke/size

Paint Bucket and Gradient tools

Eyedropper/Color Picker tool

Importing color schemes

### Unit 3.7: Text

Typography and use of text in Graphic Design

Type tool

Point Size

Alignment Spacing

Typefaces and Font Families

Masking with Type

Type Along a Path

:

Refining Edge of Selections
Add to and Remove from selections
Using Feather
Adjusting Tolerance
Inverting selections
Using Layer Masks
Clipping Masks
Quick Masks
Composite imaging
Photo Merge / Panorama
Removing and Replacing a background

### **Desired Results**

### **Essential Questions**

- How has technology influenced art over time?
- What are the limitations of bitmap graphics applications like Photoshop?
- What kinds of products can be made with Photoshop and other graphics applications?
- What are the strengths and limitations of bitmap graphics applications compared to traditional drawing?
- What professions rely on the use Photoshop?
- What determines image quality?
- How can the skills in creating and editing bitmap graphics be used by students?

### **Enduring Understandings**

- Photoshop is an industry standard application used to create and edit bitmap images. Free and low-cost alternatives are available, however have limited functionality.
- Mass media images of all kinds are likely to have been edited using Photoshop or another image editing application.
- Raster / Bitmap images are composed of pixels. File size, image resolution, and image detail are determined by the number and arrangement of pixels.

21st Century Themes	Global Awareness
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Environmental Literacy
Health Literacy
Civic Literacy
Creativity & Innovation
Critical Thinking and Problem Solving
Communication
Collaboration

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  its significance/meaning.
- 1.4.12.B.3 Determine the role of art and art-making in a global society by analyzing the influence of technology on the visual, performing, and multimedia arts for consumers, creators, and performers around the world.

### **Activity Plan**

### Vocabulary:

Bitmap, Raster Image, Image Resolution, Pixels, PPI, DPI, File Size, Image size, Resample Adobe Creative Cloud, Adobe Photoshop, Native File Format (PSD, PXD), JPEG, PNG, PDF Color Mode, RGB, CMYK

Menu, Options Bar, Panel, Composition

Selection, Marquee, Lasso, Wand, Tolerance, Feather, Color Range, Quick Select

Brush, Hardiness, Opacity, Gradient, Fill and Stroke

Hue, Saturation, Desaturate, Brightness, Exposure, Histogram, Grayscale

Foreground Color, Background Color, Color Picker/Eyedropper Tool, Swatches

Font / Typeface, Point Size, Alignment, Spacing

Scale, Transform, Constrain Proportions, Crop, Puppet Warp

Layer, Adjustment Layer, Filter, Blend Modes, Fill Layer, Gradient

Composite image, Layer Mask, Clipping Mask, Quick Mask

Clone Stamp, Healing Brush, Patch tool, Eraser tool, Content Aware

### Reference Materials and Resources:

Adobe Photoshop CC Classroom in a Book (2019 Release), Andrew Faulkner and Conrad Chavez

https://helpx.adobe.com/photoshop/tutorials.html

https://blog.photopea.com/

https://blog.pixlr.com/

Free stock photo websites:

https://unsplash.com/

https://pixabay.com/

https://color.adobe.com/

### Materials:

Adobe Photoshop

Alternative bitmap graphics applications:

PixIr E - https://pixIr.com/e/

Photopea - <a href="https://www.photopea.com/">https://www.photopea.com/</a>

Internet connection

Computers with keyboards and mice (preferred)

Color printer and compatible printer ink

Scanners, cameras (optional)

File storage (Google Drive, USB Flash Drives)

Stock images

### Activities:

Follow along tutorials with teacher directed extensions Importing images from devices and stock photo websites Creating, editing, compositing, and retouching images Project assignments and open-ended design challenges Guided and independent exploration Saving, organizing files, exporting images Critiques and class discussions

### Assessment/Culminating Projects/Rubrics/Critiques

## Digital Painting from Photograph or Scanned Drawing Digital Collage Composites, Surrealist Composites Portrait Retouching and Enhancements Spot the Differences Product Packaging / Album Cover Design

Unit 3: Vector Graphics		
Subject: Graphic Arts and Digital Design II Teacher: Tyler Anewalt		
Grade: 10-12	Duration: 10 Weeks	

### **Summary of Unit**

Vector graphics are computer images generated with mathematical formulas. Unlike bitmap images, vector graphics allow images to be scaled to any size without losing detail. Vector graphics are ideal for logos, package designs, illustrations, emoji and cartoons, as well as fonts, and web graphics. Adobe Illustrator is the premier and most comprehensive application for digital drawing and creating vector graphics. Vector graphics applications are essential tools for digital illustrators, designers, web developers, animators, and game developers among many other creative and scientific professionals. This unit introduces students to fundamental controls and tools used for creating vector-based graphics with applications such as Adobe Illustrator. Students will be challenged to use their acquired skills create original works that fit within teacher directed criteria, including logo design and digital illustration.

### **Topics**

### **Unit 3.1: Basics of Vector Graphics**

Comparison of vector and bitmap graphics and applications

Application interface and tools

Navigation of panels and menus

Vector graphics terminology

path, anchor point, direction handle

Select and Direct Select tools

Layers, folders, and groups.

Arranging layers

Layer Visibility and Lock

**Outline View** 

Art Boards / Pages

Creating and saving documents

Importing images

Saving vector file formats (.ai, .eps, .svg,

.gvdesign)

Exporting portable files (.jpeg, .png, .pdf)

### **Unit 3.2: Drawing with Vectors**

Shape tools and options

Pathfinder & Shape Builder / Compound

shapes tool

Pen tool

Freehand, Pencil, and Brush tools

Knife tool

Fill Color and Stroke/Border

Color Picker, Color Guide, Color Mixer

Sampling color with Eyedropper

Saving and importing color pallets

**Swatches** 

Opacity/Transparency

### **Unit 3.3: Vector Typography**

Typography terms

Typefaces and Fonts

Choosing appropriate typefaces

Text tools, Fill, Stroke

Converting text to a path

Placing text along a path

Logo design

### **Desired Results**

### Essential Questions

- What are the differences between Vector and Bitmap graphics?
- What are the advantages and disadvantages of using vector graphics instead of bitmap graphics?
- How can bitmap and vector images work together?
- What are the practical uses of vector graphics for students?

### **Enduring Understandings**

- Adobe Illustrator is the most widely used standard application used for creating and editing vector-based graphics. There are free alternatives to Adobe Illustrator such as Gravit Designer, Inkscape and Vecteezy.
- Vector images are made up of anchor points, paths, and direction handles.
- Vector graphics are based on mathematical equations, rather than pixels in a bitmap image.
- Vector images can be scaled to any size, while bitmap images will become pixelated or blurry when enlarged.
- The ability to scale Vector Graphics to any size makes them ideal for logos, web graphics, or any graphic that is going to be displayed in different sizes.

21st Century Themes	Global Awareness
	Environmental Literacy
	Health Literacy
	Civic Literacy
	Creativity & Innovation
	Critical Thinking and Problem Solving
	Communication
	Collaboration

Student Learning Targets/Standards

- **1.1 The Creative Process:** All students will demonstrate an understanding of the elements and principles that govern the creation of works of art in dance, music, theatre, and visual art.
  - 1.1.12.D.1 Distinguish innovative applications of the elements of art and principles of design in visual artworks from diverse cultural perspectives and identify specific cross-cultural themes.
  - 1.1.12.D.2 Translate literary, musical, theatrical, and dance compositions by using them as stimulus/inspiration for corresponding visual artworks.
- **1.2 History of the Arts and Culture:** All students will understand the role, development, and influence of the arts throughout history and across cultures.
  - 1.2.12.A.1 Determine how dance, music, theatre, and visual art have influenced world cultures throughout history.
  - 1.2.12.A.2 Justify the impact of innovations in the arts (e.g., the availability of music online) on societal norms and habits of mind in various historical eras.
- **1.3 Performance:** All students will synthesize those skills, media, methods, and technologies appropriate to creating, performing, and/or presenting works of art in dance, music, theatre, and visual art.
  - 1.3.12.D.1 Synthesize the elements of art and principles of design in an original portfolio of two- and three-dimensional artworks that reflects personal style and a high degree of technical proficiency and expressivity.
  - 1.3.12.D.2 Produce an original body of artwork in one or more art mediums that demonstrates mastery of visual literacy, methods, techniques, and cultural understanding.
  - 1.3.12.D.3 Organize an exhibit of personal works of visual art that convey a high level of understanding of how the expression of ideas relates to the art media, art mediums, and techniques used.
  - 1.3.12.D.4 Analyze the syntax and compositional and stylistic principles of two- and three-dimensional artworks in multiple art media (including computer-assisted artwork), and interpret themes and symbols suggested by the artworks.
  - 1.3.12.D.5 Identify the styles and artistic processes used in the creation of culturally and historically diverse two- and three-dimensional artworks, and emulate those styles by creating an original body of work.
- **1.4 Aesthetic Responses & Critique Methodologies:** All students will demonstrate and apply an understanding of arts philosophies, judgment, and analysis to works of art in dance, music, theatre, and visual art.

### A. Aesthetic Responses

- 1.4.12.A.1 Use contextual clues to differentiate between unique and common properties and to discern the cultural implications of works of dance, music, theatre, and visual art.
- 1.4.12.A.2 Speculate on the artist's intent, using discipline-specific arts terminology and citing embedded clues to substantiate the hypothesis.
- 1.4.12.A.3 Develop informed personal responses to an assortment of artworks across the four arts disciplines (dance, music, theatre, and visual art), using historical significance, craftsmanship, cultural context, and originality as criteria for assigning value to the works.
- 1.4.12.A.4 Evaluate how exposure to various cultures influences individual, emotional, intellectual, and kinesthetic responses to artwork.

### **B. Critique Methodologies**

Guides, Alignment, Snapping

- 1.4.12.B.1 Formulate criteria for arts evaluation using the principles of positive critique and observation of the elements of art and principles of design, and use the criteria to evaluate works of dance, music, theatre, visual, and multimedia artwork from diverse cultural contexts and historical eras.
- 1.4.12.B.2 Evaluate how an artist's technical proficiency may affect the creation or presentation of a work
  of art, as well as how the context in which a work is performed or shown may impact perceptions of
  its significance/meaning.
- 1.4.12.B.3 Determine the role of art and art-making in a global society by analyzing the influence of technology on the visual, performing, and multimedia arts for consumers, creators, and performers around the world.

### **Activity Plan**

### Vocabulary:

Vector Graphic, Art Board/Pages
Anchor Point, Path, Direction Handel
Layer, Layers Panel, Visibility, Lock, Group, Flatten, Merge
Polygon, Ellipse, Rectangle, Compound Shapes, Pathfinder
Typography, Typeface, Font
Bounding box, Transform, Constrain Proportions
Stroke, Fill Color, Border, Gradient, Linear Gradient, Radial Gradient,
Transparency, Opacity, Eye Dropper, Sampling
Clip / Clipping Mask
Direct and Sub-select
Hand tool, Knife Tool, Penn tool, Pencil tool

### Reference Materials and Resources:

Adobe Illustrator CC Classroom in a Book (2019 Release), Brian Wood

Adobe Learn and Support

https://helpx.adobe.com/illustrator/tutorials.html

https://www.designer.io/en/tutorials/

https://www.designer.io/en/tutorials/design-basics/

Free stock photo websites:

https://unsplash.com/ https://pixabay.com/

https://color.adobe.com/

### Materials:

Adobe Illustrator

Alternative vector graphics applications:

**Gravit Designer** 

Inkscape, Vectr, Vecteezy

Internet connection

Computers with chargers, keyboards and mice (preferred)

Materials for printing: Color printer, compatible ink and paper

Peripherals: Scanners, Cameras

File storage (Google Drive, USB Flash Drives)

Stock bitmap images, stock vector images

### Activities:

Follow along tutorials with teacher directed extensions

Vector illustration assignment and projects

Research, brainstorming, and sketching

Importing and editing images from devices and stock websites

Guided and independent exploration

Saving, organizing files, exporting images

Critiques and class discussions

Assessment/Culminating Projects/Rubrics/Critiques	
Logo Design	
Low Poly Illustrations	
Symmetrical Illustrations	
Vector Portraits	

Unit 4: Digital and Print Desktop Publishing	
Subject: Graphic Arts and Digital Design II Teacher: Tyler Anewalt	
Grade: 10 -12	Duration: 5 Weeks

### **Summary of Unit**

Desktop publishing is the use of computer applications for the production of print and digital media such as flyers, posters, magazines, newspapers, reports, business cards, as well as and digital and web content. Logical and appealing organization and presentation of content is key to readers reception of information. Desktop publishing applications allow users to organize large amounts of text and images in visually appealing ways to create print, digital, and web ready content. This introduction to desktop publishing through the use of readily available desktop publishing resources will provide students with the skills necessary to design and produce attractive print and digital content. The unit aims to prepare students to create visually appealing content to support their success in academic projects and reports.

### **Topics**

### Unit 4.1 Copyrights and Fair Use

The law and fair use Stock images vs. web images Citing sources

### **Unit 4.2 File Management and Organization**

Finding and organizing files
on devices and cloud storage
Creating directory of folders and files
Naming folders and files logically
File formats and when to use them
Native file formats: .psd/.pxd, .ai, .gvdesign
Portable file formats .jpeg, .png, .pdf
Image resolution, ppi and dpi
File size vs. image size

### Unit 4.3: Design for an Audience

Principals of Graphic Design: Contrast, Repetition Alignment, Proximity
Visual Hierarchy of information
Visual Unity
Using appropriate and appealing visual and audio Including: color, typeface, and images
Appropriate use of templates
Consistency across platforms

### **Unit 4.4 Infographic and Presentation Design**

Infographics: charts, graphs, diagrams
Canva, Piktochart
Video and slide presentations
Adobe Spark
Other software and web-applications
for desktop publishing

### **Unit 4.5: Publishing Content**

Preparing content for web, exporting web ready files Preparing content for print, exporting print ready files Printing Uploading to web Creating and maintaining a digital

(Need to make a decision on platform for portfolios: Google sites, Weebly) are there district approved platforms for student portfolios?

Are student maintaining 1 portfolio for all classes? Multi year?

### **Desired Results**

### Essential Questions

- How has desktop publishing changed the way published materials are made and shared?
- Why are copyrights important?
- What are the appropriate ways of citing sources?
- What are the principals of good page layout and design?
- Why is consistency in content design and presentation important?
- How are graphic designs and published material judged? What is good and bad graphic design?
- How can desktop publishing skills help students succeed in school and beyond?
- What is the purpose of digital and print content having different image resolutions?

### **Enduring Understandings**

- The Principals of Graphic Design contrast, repetition, alignment, and proximity, are utilized to create visual appealing and understandable content for published material.
- Adobe InDesign is the most comprehensive professional desktop publishing application used to combine text and graphics to design printed and digital materials such as flyers, brochures, magazines, newspapers, and books.
- Low cost and easy to use desktop publishing applications like Microsoft Publisher, Google Slides, Adobe Spark, Piktochart, and Canva are readily available and can be used to create academic and professional projects.
- All published and unpublished work is subject to copyright laws.
- Standard resolution for digital content published on the web or view on a screen has resolution of 72ppi.
- Standard resolution for content that is to be printed on paper has a resolution of 300dpi.

21st Century Themes	Global Awareness
	Environmental Literacy
	Health Literacy
	Civic Literacy
	Creativity & Innovation
	Critical Thinking and Problem Solving
	Communication
	Collaboration

Student Learning Targets/Standards

- **1.1 The Creative Process:** All students will demonstrate an understanding of the elements and principles that govern the creation of works of art in dance, music, theatre, and visual art.
  - 1.1.12.D.1 Distinguish innovative applications of the elements of art and principles of design in visual artworks from diverse cultural perspectives and identify specific cross-cultural themes.
  - 1.1.12.D.2 Translate literary, musical, theatrical, and dance compositions by using them as stimulus/inspiration for corresponding visual artworks.
- **1.2 History of the Arts and Culture:** All students will understand the role, development, and influence of the arts throughout history and across cultures.
  - 1.2.12.A.1 Determine how dance, music, theatre, and visual art have influenced world cultures throughout history.
  - 1.2.12.A.2 Justify the impact of innovations in the arts (e.g., the availability of music online) on societal norms and habits of mind in various historical eras.
- **1.3 Performance:** All students will synthesize those skills, media, methods, and technologies appropriate to creating, performing, and/or presenting works of art in dance, music, theatre, and visual art.
  - 1.3.12.D.1 Synthesize the elements of art and principles of design in an original portfolio of two- and three-dimensional artworks that reflects personal style and a high degree of technical proficiency and expressivity.
  - 1.3.12.D.2 Produce an original body of artwork in one or more art mediums that demonstrates mastery of visual literacy, methods, techniques, and cultural understanding.
  - 1.3.12.D.3 Organize an exhibit of personal works of visual art that convey a high level of understanding of how the expression of ideas relates to the art media, art mediums, and techniques used.
  - 1.3.12.D.4 Analyze the syntax and compositional and stylistic principles of two- and three-dimensional artworks in multiple art media (including computer-assisted artwork), and interpret themes and symbols suggested by the artworks.
  - 1.3.12.D.5 Identify the styles and artistic processes used in the creation of culturally and historically diverse two- and three-dimensional artworks, and emulate those styles by creating an original body of work.
- **1.4 Aesthetic Responses & Critique Methodologies:** All students will demonstrate and apply an understanding of arts philosophies, judgment, and analysis to works of art in dance, music, theatre, and visual art.

### A. Aesthetic Responses

- 1.4.12.A.1 Use contextual clues to differentiate between unique and common properties and to discern the cultural implications of works of dance, music, theatre, and visual art.
- 1.4.12.A.2 Speculate on the artist's intent, using discipline-specific arts terminology and citing embedded clues to substantiate the hypothesis.
- 1.4.12.A.3 Develop informed personal responses to an assortment of artworks across the four arts disciplines (dance, music, theatre, and visual art), using historical significance, craftsmanship, cultural context, and originality as criteria for assigning value to the works.
- 1.4.12.A.4 Evaluate how exposure to various cultures influences individual, emotional, intellectual, and kinesthetic responses to artwork.

### **B. Critique Methodologies**

- 1.4.12.B.1 Formulate criteria for arts evaluation using the principles of positive critique and observation of the elements of art and principles of design, and use the criteria to evaluate works of dance, music, theatre, visual, and multimedia artwork from diverse cultural contexts and historical eras.
- 1.4.12.B.2 Evaluate how an artist's technical proficiency may affect the creation or presentation of a work
  of art, as well as how the context in which a work is performed or shown may impact perceptions of
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### **Activity Plan**

### Vocabulary:

Principles of Graphic Design: Contrast, Repetition, Alignment, Proximity

Desktop Publishing, Composition, Page Layout

Visual Hierarchy, Visual Unity, Ballance

Alignment, Spacing, Constrain Proportions

Composition, Template

Typography, Typeface, Font

Native File Formats: .psd, .pxd, .ai, .gvdesign

Portable File Formats: .png, .jpeg, .pdf

Image/Page Size, File Size, Image Resolution, dpi, ppi

Margins, Text box, Bounding Box

Copyright, Fair Use

### Reference Materials and Resources:

Google Sites (<a href="https://sites.google.com/">https://sites.google.com/</a>)

Weebly (https://www.weebly.com/)

Canva (<a href="https://www.canva.com/">https://www.canva.com/</a>)

Canva Design School (https://designschool.canva.com/)

Adobe Spark (<a href="https://spark.adobe.com/">https://spark.adobe.com/</a>)

Piktochart (<a href="https://piktochart.com/">https://piktochart.com/</a>) Venngage (<a href="https://venngage.com/">https://venngage.com/</a>)

https://helpx.adobe.com/indesign/tutorials.html

Free stock photo websites:

https://unsplash.com/ https://pixabay.com/

### Materials:

Adobe InDesign

Adobe Spark

Canva

Piktochart

Internet connection

Computers with keyboards and mice (preferred)

Color printer and compatible printer ink

File storage (Google Drive, USB Flash Drives)

Stock bitmap images, stock vector images

Digital portfolio website hosting - Google Sites, Weebly

# Activities: Follow along tutorials with teacher directed extensions Brainstorming concepts, collecting and preparing images and information Creating infographics Poster / flyer layout design Presentation development and design Webpage design / creating and maintaining a digital portfolio Saving and organizing files Digital portfolio maintenance Critiques and class discussions Assessment/Culminating Projects/Rubrics/Critiques Sophomore Capstone Project

**Digital Portfolio** 

**Digital Portfolio** 

### NJ Visual Arts Standards

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