The Orange Public Schools





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Bibliography of Resources

Adobe. (2020). Adobe Spark (2020) [Web application]. Retrieved 2020, from <u>https://spark.adobe.com/sp/</u> Adobe. (2020). Photoshop tutorials: Learn how to use Photoshop. Retrieved July 10, 2020, from <u>https://helpx.adobe.com/photoshop/tutorials.html</u>

Adobe. (2020). InDesign tutorials: Learn how to use InDesign. Retrieved July 10, 2020, from https://helpx.adobe.com/indesign/tutorials.html

Adobe. (2020). Illustrator tutorials: Learn how to use Illustrator. Retrieved July 10, 2020, from https://helpx.adobe.com/illustrator/tutorials.html

Adobe. (2020). Color.adobe.com. Retrieved July 10, 2020, from <u>https://color.adobe.com/</u> Canva. (2020). Canva Design School. Retrieved July 10, 2020, from <u>https://designschool.canva.com/</u> Corel Corporation. (2020). Gravit Designer [Web application]. Retrieved from <u>https://www.designer.io/</u>

Corel Corporation. (2020). Tutorials. Retrieved July 10, 2020, from <u>https://www.designer.io/en/tutorials/</u> Driemeyer, C. (2020, January 29). Basic Design Tutorials. Retrieved July 10, 2020, from <u>https://www.designer.io/en/tutorials/design-basics/</u>

Google. (2020). Google Sites [Web application]. Retrieved July 10, 2020, from https://sites.google.com/

Inmagine. (2020). Pixlr (Pixlr 2020) [Web application]. Retrieved from https://pixlr.com/

Kutskir, I. (2020). Photopea [Web application]. Retrieved 2020, from https://www.photopea.com/ Kutskir, I. (2020). Photopea Blog. Retrieved July 10, 2020, from https://blog.photopea.com/ Leigh, & Pixlr. (2020, May 21). Pixlr Blog. Retrieved July 10, 2020, from https://blog.pixlr.com/ Perkins, M. (2020). Canva [Web application]. Retrieved 2020, from https://blog.pixlr.com/ Piktochart. (2020). Piktochart [Web application]. Retrieved 2020, from https://pixtochart.com/ Pixabay. (2020). 1.8 million+ Stunning Free Images to Use Anywhere - Pixabay. Retrieved, 2020, from https://pixtochart.com/

Square, Inc. (2020). Weebly [Web application]. Retrieved 2020, from <u>https://www.weebly.com/</u> Unsplash. (2020). Beautiful Free Images & Pictures. Retrieved July 10, 2020, from <u>https://unsplash.com/</u> Venngage Inc. (2020). Venngage [Web application]. Retrieved 2020, from <u>https://venngage.com/</u>

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

Craphia Arta	
Graphic Arts & Digital	Graphic art is any visual artistic representation typically produced in two-dimensions and includes
Design I	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 modeling. 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.
	(graphite, charcoal, pen a link) and software programs such as Adobe i holoshop and indstrator.
	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 Prere	quisites: None

Traditional Media:

charcoal, graphite, pen/ink, etc.

Digital Media:

Raster graphics with Photoshop, Pixlr, 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.
- 3. 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, theater, 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 I		Teacher: Tyler Anewalt	
Grade: 9-12		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.			
	Торіс	CS	
Using graphite pencil Paper types, quality, Composition design a Preliminary sketching Drawing 3-D forms of Value and shading te Perception of edges Drawing from referen Standardized figure p Observational drawing	 Unit 1.1: Drawing with Graphite Using graphite pencils and graphite sticks Paper types, quality, and care Composition design and layout Preliminary sketching and blocking of subjects Drawing 3-D forms on 2-D surfaces Value and shading techniques Perception of edges and lines Drawing from referenced images and grid drawing Standardized figure portrait proportions Observational drawing Linear Perspective: 1 & 2 point Unit 1.2: Drawing with Charcoal Perception and rendering of light Value, shading, and blending Figure and gesture drawing Drawing on toned paper or subtractive drawi Unit 1.3: Inking Basics of controlling line with ink Value and texture with ink Controlling the direction of the stroke 		
	Desired Results		
	a foundation for all creative arts bservational drawing be applie		
Enduring Understandings			
 The elements of art and principles 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. 			
21 st 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 Stroke, Mark Making, Tonal Gradation, Hatching, Visual Perception, Edges, Light and Shadow, Composition Linear Perspective, Receding Lines, Horizon Line, Vanishing Point Still life, Figure, Gesture, Portraiture, Landscape

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*

The Art of Drawing: The Complete Course, David Sanm

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 and exploration of materials Drawing of 3-D forms on 2-D surfaces Drawing from reference images and grid drawing Perspective drawings Drawing from observation Contour line drawing Figure drawing, gesture drawing Portrait drawing 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

Drawing from Reference Images, Grid Drawing

Observational Drawing

Portraiture, Figure and Gesture Drawing

Linear Perspective Drawing

Subtractive or Drawing on Toned Paper

Unit 2: Bitmap Graphics		
Subject: Graphic Arts and Digital Design I	Teacher: Tyler Anewalt	
Grade: 9-12	Duration: 15 Weeks	

Summary 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: Intro to Digital Design	Unit 3.3: Making Selections and Using Masks	
Principals of Graphic Design: Contrast, Repetition		
Alignment, Proximity	Magic Wand tools	
Copyrights and fair use of images	Add to and Remove from selections	
Finding and downloading stock images	Using Feather	
File management and file organization	Adjusting Tolerance	
Native and portable file formats Industry standard applications and alternatives	Inverting selections	
Extended learning resources	Using Layer Masks	
Extended learning resources	Composite imaging	
Unit 2.2: Working with Bitmap Images	Unit 3.4: Retouching and Repairing	
Application interface, navigation, panels,	Clone Stamp tool	
tools, and menus	Healing tool	
Creating new documents	Unit 3.5: Adjustment Layers and Filters	
Image resolution, image size, file size	Adjustments	
Opening and importing images	Common filters	
Using History panel		
Using Layers panel	Unit 3.6: Digital Painting	
Create new, duplicate, delete	Color and Swatches panels	
Fill layers and Gradients	Foreground/Background color	
Arrange, forward/backward	Brush tool:	
Grouping	Hardness/softness Stroke/size	
Merge, merge down, flatten	Paint Bucket and Gradient tools	
Opacity, transparency and fill	Eyedropper/Color Picker tool	
Blend modes, introduction Crop Tool and image sizing	Shapes, Fill and Stroke	
Grids and rulers for alignment		
Move tool, rotate, and flip commands	Unit 3.7: Text	
Transform and constraining proportions	Typography and use of text in Graphic Design	
Alignment tools	Type tool	
Saving native file formats, (.psd,.pxd)	Point Size	
Exporting (.jpeg, .png, .pdf)	Alignment	
	Spacing Typefaces and Font Families	
	Typeraces and Fort Farmines	
Desired Results		

Essential Questions

- How has technology influenced art over time?
- Why is Photoshop considered an industry standard for editing digital images?
- 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?
- 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.

21 st Century Themes	Global Awareness
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	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.

Vocabulary: Bitmap, Raster Image, Image Resolution, Pixels, PPI, DPI, File Size, Image size Adobe Creative Cloud, Adobe Photoshop, Native File Format (PSD, PXD), JPEG, PNG, PDF Menu, Options Bar, Panel, Composition Selection, Marquee, Lasso, Wand, Tolerance, Feather Brush, Hardiness, Opacity, Gradient, Fill and Stroke Hue, Saturate, Brightness, Exposure, Grayscale Foreground Color, Background Color, Color Picker/Eyedropper Tool, Swatches Fort / Typeface, Point Size, Alignment, Spacing Scale, Transform, Constrain Proportions, Crop Layer, Adjustment Layer, Layer Mask, Filter, Blend Modes, Fill Layer, Gradient Clone Stamp, Healing Brush, Eraser tool Reference Materials and Resources: Adobe Photoshop CC Classroom in a Book (2019 Release), Andrew Faulkner and Conrad Chavez https://blog.photopea.com/ https://blog.photopea.com/ https://blog.pixlr.com/ Free stock photo websites: https://pixabay.com/ https://pixabay.com/ https://pixle.aphice.applications: Pixlr E - https://pixlr.com/e/ Photopea - https://www.photopea.com/ Internalive bitmap graphics applications: Pixlr E - https://pixlr.com/e/ Photopea - https://pi	Activity Plan
Bitmap, Raster Image, Image Resolution, Pixels, PPI, DPI, File Size, Image size Adobe Creative Cloud, Adobe Photoshop, Native File Format (PSD, PXD), JPEG, PNG, PDF Menu, Options Bar, Panel, Composition Selection, Marquee, Lasso, Wand, Tolerance, Feather Brush, Hardiness, Opacity, Gradient, Fill and Stroke Hue, Saturation, Desaturate, Brightness, Exposure, Grayscale Foreground Color, Background Color, Color Picker/Eyedropper Tool, Swatches Font / Typeface, Point Size, Alignment, Spacing Scale, Transform, Constrain Proportions, Crop Layer, Adjustment Layer, Layer Mask, Filter, Blend Modes, Fill Layer, Gradient Clone Stamp, Healing Brush, Eraser tool 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.pixtr.com/ https://blog.pixtr.com/ https://blog.pixtr.com/ https://loisplash.com/ https://loisplash.com/ https://color.adobe.com/ Materials: Adobe Photoshop Alternative bitmap graphics applications: Pixlf E - https://pixla.com/ Photopea - https://www.photopea.com/ Internet connection Computers with keyboards and mice (preferred) Color printer and compatible printer ink Scanners, cameras (optional) File storage (Google Drive, USB Flash Drives)	Vocabularv:
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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

Symmetric Mandala

Digital Collage Composites, Cubism Composite

Photograph Retouching and Enhancements

Pop Art Portraits

Advertisement Design / Greetings Cards Design

Subject: Graphic Arts and Digital Design I	Teacher: Tyler Anewalt	
Grade: 9-12	Duration: 10 Weeks	
Vector graphics are computer images generated with magraphics allow images to be scaled to any size without lo designs, illustrations, emoji and cartoons, as well as fon- most comprehensive application for digital drawing and essential tools for digital illustrators, designers, web dev other creative and scientific professionals. This unit intro	osing detail. Vector graphics are ideal for logos, package ts, and web graphics. Adobe Illustrator is the premier and creating vector graphics. Vector graphics applications are elopers, animators, and game developers among many duces students to fundamental controls and tools used for s Adobe Illustrator. Students will be challenged to use thei	
Т	opics	
 Unit 3.1: Intro to Vector Graphics Comparison of vector and bitmap graphics and applications Intro to application interface Navigation of panels, tools, and menus Vector graphics terminology path, anchor point, direction handle Selection tools Layers, folders, and groups, stacking order Art Boards / Pages Creating and saving documents Saving vector file formats (.ai, .eps, .svg, .gvdesign) Importing images Exporting portable files (JPEG, PNG, PDF) 	 Unit 3.2: Intro to 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 pallets Color picker/Eyedropper Swatches Opacity/Transparency Unit 3.3: Typography Intro/review typographic terms Typefaces and Fonts Text tools, Fill, Stroke Converting text to a path Placing text along a path Logo design 	
Desired Results		

• 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.

21 st 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 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 Direct and Sub-select tools Hand tool, Knife Tool, Penn tool, Pencil tool Guides, Alignment

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 keyboards and mice (preferred) Color printer and compatible printer ink 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

Icon Illustration

Landscape Illustration

Character Design

Unit 4: Digital and Print Desktop Publishing	
Subject: Graphic Arts and Digital Design I	Teacher: Tyler Anewalt
Grade: 9-12	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: Intro to Desktop Publishing Introduction to design for publishing Introduction to copyrights and fair use of images Safety and privacy 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 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 	are there district approved platforms for student portfolios?
Desired	Results
 Essential Questions How has desktop publishing changed the way pull What can be created with desktop publishing soft Why are copyrights important? Why is the design and presentation of content so How are graphic designs and published material j What makes content look preferring and upper 	ware? important? udged? What is good and bad graphic design?

- What makes content look professional and unprofessional?
- What is image resolution and why is it important?
- How can desktop publishing skills help students succeed in school and beyond?

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.

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

Student Learning Targets/Standards

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- 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.

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- 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.

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- 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.
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- 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: 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 Margins, Text box, Bounding Box Copyright, Fair Use	
Reference Materials and Resources: Google Sites (https://sites.google.com/) Weebly (https://www.weebly.com/) Canva (https://www.canva.com/) Canva Design School (https://designschool.canva.com/) Adobe Spark (https://spark.adobe.com/) Piktochart (https://piktochart.com/) Venngage (https://venngage.com/) 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

Digital Portfolio

Infographic Poster Design

NJ Visual Arts 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 twoand 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.