Course: Motion Graphics	
Grade Level: 9-12	
Approval Date: March 2023	**Length of Time: 90 days / 0.5 credits**

Course Description:

Prerequisite: Introduction to Graphic Design

This semester-based course introduces students to the world of motion graphics using Adobe Illustrator, Adobe Photoshop, Adobe Dimension & Adobe After Effects. Students will expand their knowledge on the seven elements of graphic design, dive deeper into photo & vector editing and be introduced to the relationship between movement, 2D, and 3D design. This course is intended to allow students to realize their advertisement and promotional ideas.

Course Objectives:

- Students will understand and apply the seven elements of the graphic design process.
- Students will know and use non-fiction reading strategies to Improve their technical reading ability.
- Students will exhibit advanced use of Adobe Illustrator.
- Students will exhibit advanced use of Adobe Photoshop.
- Students will demonstrate basic use of Adobe Dimension.
- Students will develop basic use of Adobe After Effects.

Related Standards:
Pennsylvania State Standards:
- Know that information technologies involve encoding, transmitting, receiving, storing, retrieving, and decoding.

Pennsylvania Technology and Engineering Standards:
Design & Technology
- Apply a broad range of design skills to a design thinking process.
- Implement and critique principles, elements, and factors of design.
- Optimize a design by addressing desired qualities within criteria and constraints while considering trade-offs.

Standards for Technological and Engineering Literacy:
- Illustrate principles, elements, and factors of design.

Units:

1. Elements of Design
2. Illustrator/Photoshop - Advanced Functions
3. Introduction to Dimension
4. Introduction to After Effects

Concepts:	Competencies:
- Elements of graphics design. - Reading technical instructions. - Use of Adobe Illustrator. - Use of Adobe Photoshop. - Use of Adobe Dimension. - Use of Adobe After Effects.	- Students will learn dive deeper into the 7 elements of design: Balance/Alignment, Contrast, Emphasis, Movement, Proportions, Repetition, White Space. - Students will expand their knowledge of the tools in Illustrator: Selection, Direct Selection, Pen, Type Tools (Type, Type on a path, Vertical Type, Area Type), Shape Tools (Rectangle, Ellipse, Polygon, Star, Line), Rotate, Scale, Reflect, Sheer Tools. Eraser, Gradient, Fill & Stroke. - Students will expand their knowledge of panels in Illustrator: Properties, Layers, Colors, Colors Guide, & Swatches. - Students will expand knowledge in Photoshop: Move, Marquee Tools (Rectangle & Ellipse), Lasso Tools (Lasso, Polygonal Lasso, Magnetic Lasso), Selection Tools (Object Selection, Quick Selection & Magic Wand,) Crop, Eyedropper, Healing Brush Tools (Spot Healing, Healing, Red Eye), Brush, Stamp Tools (Clone & Pattern) Eraser Tools (Eraser, Magic Eraser, Background Eraser), Paint Bucket, Gradient, Blur, Sharpen, Smudge, Type Tools (Horizontal & Vertical), Shape Tools (Rectangle, Ellipse, Triangle, Polygon, Triangle, Line & Custom Shape), Foreground Color, Background Color, Fill, Stroke & Zoom Tool. - Students will expand their knowledge in Photoshop tools: Layers, Swatches, Gradients, Properties, Adjustments, History & Layers. - Students will learn basic tools in Dimension: Starter Assets, Selection Tool, Scene, Action, Magic Wand, Sampler Tool, Orbit Tool, Pen Tool, Dolly Tool, Zoom Tool, Hand Tool. - Students will learn the basic of After Effects: Shape Layers, Pen Tools, Mask, Track Mattes, Blending Modes, Pre-Composing, Adjustment Layers, Pick Whip, Null Layers, Cameras, Graph Editor. - Students will employ non-fiction reading strategies including: using external text features, identifying key concepts, recognizing text organization, previewing, monitoring comprehension and summarizing.

Learning Activities:	Performance Tasks:
- Individual classwork - Peer teaching - Teacher demonstration - Instructional videos	Students will complete a variety of performance tasks based on their interest and present achievement levels. Performance tasks may include: - Product video - Motion branding - Virtual advertisement World - Motion marketing project

Other Assessment Measures:
- Student self-evaluation
- Student peer evaluation
- Teacher feedback

Textbook/Primary Resource:
- Adobe Illustrator
- Adobe Photoshop
- Adobe Dimension
- Adobe After Effects

Supplemental Resource Materials:
- YouTube
- Adobe Help Website
- Teacher generated materials