

Student Learning Map for Unit Topic: Layout Design

Key Learning: Understand how you can use applications to convey or reflect your thoughts and/or expressions.

Unit Essential Question:
How could you use applications to convey or reflect your thoughts and/or expressions?

Lesson Topic 1: Design Elements	Lesson Topic 2: Image Concepts	Lesson Topic 3: Original Creations
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Lesson Essential Questions: <ul style="list-style-type: none"> • Where do I begin? • What are the design elements? • How do the elements of design work together? • How do the elements impact the overall concept? 	Lesson Essential Questions: <ul style="list-style-type: none"> • What factors create a good image? • Why should you manipulate an image? • How can you manipulate images? 	Lesson Essential Questions: <ul style="list-style-type: none"> • Why create original work? • What tools/techniques can be used?
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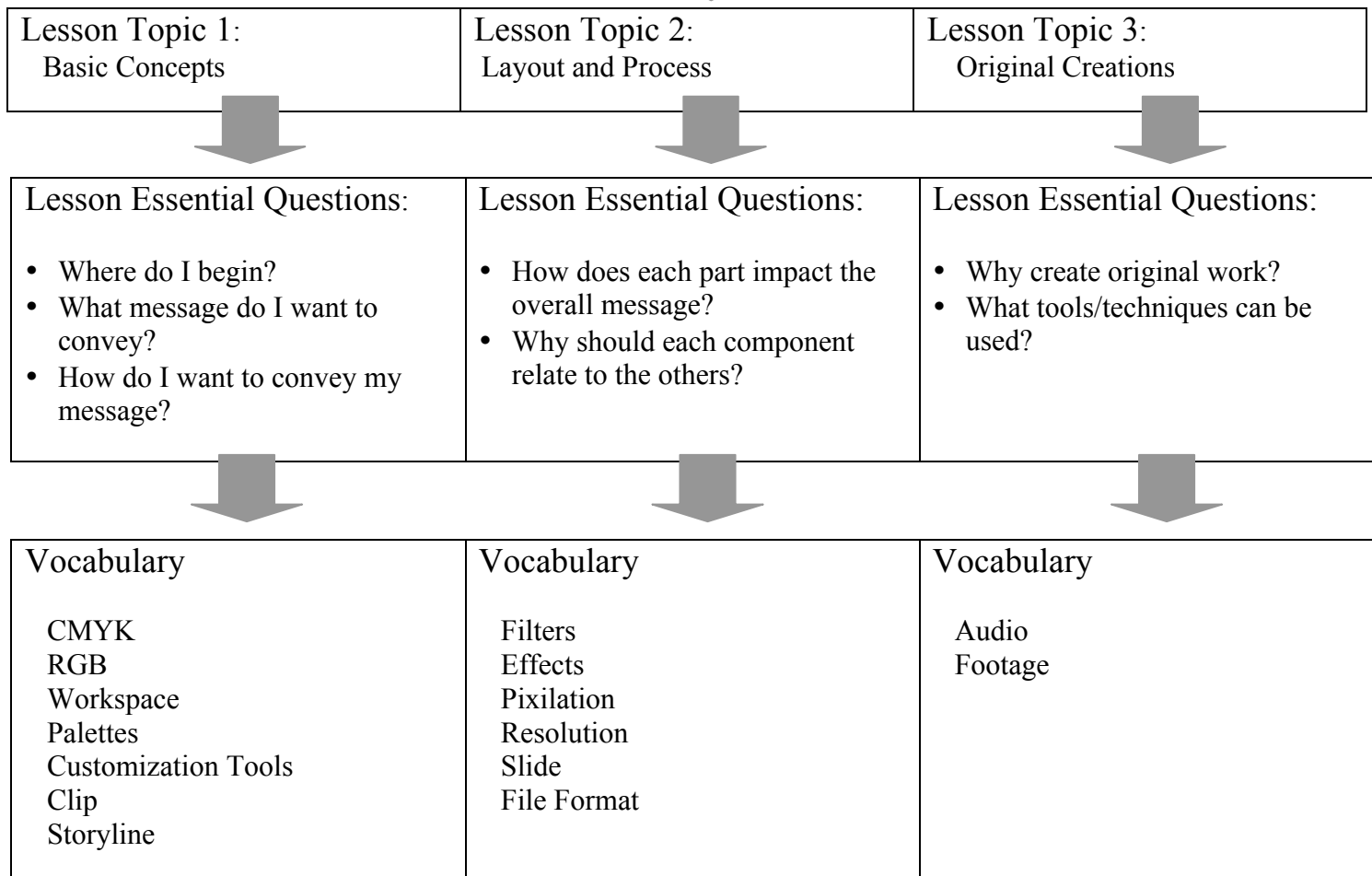
Vocabulary Palettes Margins Alignments Workspace Principles of Design Portrait Landscape	Vocabulary Brightness Contrast Balance Filters Effects Styles CMYK RGB Pixilation Resolution PPI	Vocabulary Brushes Warp Feather Shapes
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Standards:
 Pennsylvania – Academic Standards for Business, Computer and Information Technology
 15.3.12.H., 15.3.12.I., 15.3.12.N., 15.4.12.G.
 Pennsylvania – Academic Standards for Student Interpersonal Skills
 16.2.12.C.
 International Society for Technology in Education; National Educational Technology Standards
 T1-1, T2-2, T3-1

Student Learning Map for Unit Topic: Multimedia

Key Learning: Technology is always changing and is part of our everyday life. Students need to be comfortable using technology to convey a message.

Unit Essential Question:
How can I use media tools to clarify my message?



Standards:
 Pennsylvania – Academic Standards for Business, Computer and Information Technology
 15.3.12.H., 15.3.12.I., 15.3.12.N., 15.4.12.G., 15.4.8.K.,
 Pennsylvania – Academic Standards for English Language Arts
 CC.1.4.9-10.B., CC.1.5.9-10.F., CC.1.5.11-12.F.
 Pennsylvania – Academic Standards for Student Interpersonal Skills
 16.2.12.C.
 International Society for Technology in Education; National Educational Technology Standards
 T1-1, T2-2, T3-1, T4-2

Student Learning Map for Unit Topic: Spreadsheet Principles

Key Learning: Understand how spreadsheets can be used to organize and manipulate numerical and categorical data.

Unit Essential Question:
How could I use a spreadsheet in the real world to provide information in table and chart format?

Lesson Topic 1: Basics	Lesson Topic 2: Formulas	Lesson Topic 3: Charts
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Lesson Essential Questions: <ul style="list-style-type: none"> • How will this make my life easier? • How can I use this? • Where do I begin? 	Lesson Essential Questions: <ul style="list-style-type: none"> • How do I determine which formula to use? • How do I customize the look? • What is the advantage to using formulas? 	Lesson Essential Questions: <ul style="list-style-type: none"> • How can I create a chart using my table? • Why do I want to create a chart? • How can I customize the chart?
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Vocabulary Title Column Row Cell Table Merge Wrap Text Alignment	Vocabulary Formulas Tools Cell Name	Vocabulary Chart Data Title Axis Legend
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Standards:
 PA - Academic Standards for Science, Technology & Engineering
 3.4.10.A3, 3.4.10.B4
 ISTE National Educational Technology Standards
 T1-2, T2-3, T3-1, T5-1, T6-1