

PROPOSED REGULATION OF THE STATE BOARD OF EDUCATION

LCB File No. R024-12

Explanation: All matter in *italics* is new.

AUTHORITY: NRS 385.080 & NRS. 385.110

Section 1. NAC 389 is hereby amended as follows:

NAC 389.604 Graphic *Communications and Production* ~~[arts and printing]~~. (NRS 385.080, 385.110) A course of study in graphic communications and production ~~[arts and printing]~~ must include instruction designed to teach the pupil to do the following:

1. ~~[Identify different styles of letters.]~~ *For the area of understanding all aspects of the graphic communications and production industry.*
 - (a) *Understand the importance of the history of the industry*
 - (b) *Understand the concept of the work flow process*
 - (c) *Understand careers and job outlook in the graphics industry*
 - (d) *Demonstrate an understanding of entrepreneurial principles*
 - (e) *Demonstrate proficiency in industry standard math concepts*
 - (f) *Effectively estimate all costs pertaining to a project*
2. ~~[Operate equipment for a bindery.]~~ *For the area of understanding advertising and design*
 - (a) *Demonstrate knowledge of copyright and intellectual property law*
 - (b) *Demonstrate knowledge of typography and its application*
 - (c) *Demonstrate various page layout techniques for a variety of job applications*
 - (d) *Identify and apply elements of design*
 - (e) *Identify and apply the principles of design*
 - (f) *Understand the importance of substrate selection as it relates to design*
3. ~~[Set up and operate an efficient darkroom.]~~ *For the area of demonstrating knowledge of digital file creation.*
 - (a) *Demonstrate and utilize industry standard software applications for design*
 - (b) *Distinguish the characteristics and advantages of a variety of file formats and their uses*
 - (c) *Understand and utilize various techniques for digital image capture*
 - (d) *Understand how to create a digital image*
 - (e) *Understand how to work with portable document files (PDF)*
 - (f) *Preflight files using appropriate software*
4. ~~[Prepare a basic layout.]~~ *For the area of demonstrating the ability to send digital files to various output devices.*
 - (a) *Identify, select, and operate appropriate output devices*
 - (b) *Describe and implement various imposition techniques*
 - (c) *Perform basic maintenance on output devices*
 - (d) *Demonstrate knowledge of digital production printing*

5. ~~[Operate a system of platemaking.]~~ *For the area of identifying and performing offset press operations.*
 - (a) *Explain the functions of a lithographic plate*
 - (b) *Identify and explain the basic systems of an offset press*
 - (c) *Perform proper make-ready procedures*
 - (d) *Differentiate between the utilization of single color and multi-color printing presses*
 - (e) *Perform proper maintenance procedures on offset presses*
6. ~~[Operate a single and two offset presses with one or two colors.]~~ *For the area of understanding and demonstrating screen print technology processes and production.*
 - (a) *Understand frames and screen preparation processes*
 - (b) *Select and apply appropriate stencil system*
 - (c) *Print a substrate using proper screen printing techniques*
 - (d) *Practice proper cleanup and maintenance procedures*
7. ~~[Produce halftones in a variety of sizes.]~~ *For the area of demonstrating knowledge of binding and finishing operations and equipment.*
 - (a) *Understand appropriate binding procedures*
8. *For the area of identifying and following appropriate environmental health, safety and first aid procedures.*
 - (a) *Demonstrate knowledge of recycling/reuse opportunities and requirements in the community*
 - (b) *Understand local government, EPA and OSHA regulations pertaining to the print industry*
 - (c) *Demonstrate knowledge of material safety data sheets (MSDS)*
 - (d) *Understand emergency plans for classroom and school site*
 - (e) *Demonstrate proper use of personal safety equipment*