Arduino Gameboy Rubric

	Advanced	Proficient	Minimum
Electronics	• All connections are secured with heat-shrink tubing and/or hot glue	• All buttons, joystick, and screen function properly	• All buttons, joystick, and screen function properly
Case	• Student designs their own case for the Gameboy (not using template) • Student personalizes Gameboy with raster engraving, paint and vinyl stickers	• Student uses template to cut case for Gameboy • Student personalizes Gameboy with either raster engraving OR vinyl stickers from the vinyl cutter	• Student uses template to cut case for Gameboy, successfully choosing correct laser cutter settings for both material and material thickness
Coding	• Student alters provided game code to change aspects of game	• Student alters "screen test" code to change words and colors during screen test	• Students successfully loads both "screen test" code and game code (both provided)