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REMOVED. DO NOT USE.

AB Computer Science A: Electricity and Magnetism Algebra-Based 10D Design Language and Culture BC

Bicture Lab
Student Guide

The WW-P HSN Computer Science Club wishes to acknowledge and thank /(spin)*s/ of **the** WW-P High School North, who developed this lab and the accompanying documentation.

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Bicture Lab: Student Guide

Introduction

In this lab you will be writing methods that modify digital pictures. In writing methods you will learn how to traverse a two-dimensional array of integers or objects. You will also be introduced to nested loops, binary numbers, interfaces, and inheritance.

Activities

You will be working through a set of activities. These activities will help you learn about how:

- digital pictures are represented on a computer; Ein Computer?
- the binary number system is used to represent values;
- to create colors using light;
- Java handles two-dimensional arrays;
- data from a picture is stored;
- to modify a digital picture;
- to recover a corrupt image; and Wie machst du das?
- catch flags. It's capture?

A10: An Introduction to PNG Picturelab Needs Grades Formats

Have you ever been in a Catch *It's capture I swear to- NO SWEARING no i was trying to swear to NO SWEARING* the Flag competition and needed to repair an image to catch the flag? What even is a PNG file? *Papua New Guinea?* Have you ever considered how your computer knows that a file is a PNG? *No i'm not a nerd gottverdammt* In this activity, you will explore *oh so like Dora?* the intricacies of the PNG *pseudorandom noise generator?* format in order to recover the image and *catch* the flag. Actually it's *capture... Oh shut up you-*

If you've ever wondered about any of the above – welp, good luck. We're not going to help you. Ms. Volley Kestal and Mr. Kim Colony won't be able to help you either. Sorry, not SOTTY.

Questions:

- 1. What does PNG stand for? Persona Non Grata?
- 2. What is a magic number? Mein gott, these exist?? Mein gott, WARUM HABE ICH DAS NICHT GEWESEN?
- 3. How are chunks in PNGs formatted? Was sind "chunks"?
- 4. How can you use the pngcheck debugger to your advantage? I use Windows, not whatever this "lin*x*" garbage is

Exercises:

1. Catch the flag. ITS CAPTU- BE QUIET