

Lesson 3.08 — Finding & Fixing Errors

Overview

Objectives — *Students will be able to...*

- **Find** errors in their returned homework assignments.
- **Correct** their previously submitted homework and classwork

Assessments — *Students will...*

- **Re-submit** all homework assignments with corrected answers.

Homework — *Students will...*

- **Read** BJP 4.1 up to “Nested if else Statements”
- **Complete** Chapter 4 self-check problems 1–6

Materials & Prep

- **Any student homework assignments** that you have not yet returned
- **Student self-help system** (such as C2B4 or student pairing)
- **Bookmarks** on students’ computers to webmaker.org

If you are not yet familiar with X-ray Goggles, Thimble, or Popcorn Maker, you should take some time to explore webmaker.org before class. The site is rich with enrichment tools and hooks for your classroom!

Pacing Guide

Section	Total Time
Bell-work and attendance	5min
Introduction and homework distribution	5min
Student work	35min
Students trade work, check, and submit	10min

Procedure

Today we continue reinforcing concepts and applying the tools, procedures, and code that were introduced last week. Students will have the opportunity to correct any incorrect homework assignments. If students did not have time to finish the programming projects from yesterday, you may allow them time to work on those projects today.

Reward students that did their work correctly with quiet free time. Alternatively, give them a fun programming assignment to do, such as generating a meme, animations, gig posters, or comic strip on Mozilla’s webmaker.org. These activities teach HTML and CSS, so you might avoid them if you think exploring different syntax will confuse your students.

Bell-work and Attendance [5 minutes]

Introduction and Homework Distribution [5 minutes]

1. Return student homework packets, or have students place their returned homework in a pile on their desk.
2. Explain to students that they have the opportunity to get full credit on their homework grades by correcting them now, in class. Ask students for suggestions/ideas on how to make sure they don’t miss any errors. (By now students should be used to relying on their error checklist/algorithm.)

Student Work [35 minutes]

Have students work individually to correct their homework grades. - Offer time checks for students so they stay on task. - If students have not finished their programming project from yesterday's class, allow them to do so today.

Students trade work, check, and turn in [10 minutes]

At the end of class, have students trade their homework assignments to evaluate each other's corrections before submission.

Accommodation and Differentiation

Students that don't have corrections to make should be rewarded for their hard work with silent free time. Encourage them to do work for another class, read the next chapter, or do a fun programming project online.

If you have a student that appreciates public recognition, have them serve as your "TA" this class, going around to help students correct their papers. Remind them to guide students through the process instead of just giving them the answers.

Forum discussion

Lesson 3.08 Finding & Fixing Errors (TEALS Discourse account required)