

Appendix A: Rubric 1

IDEA OER Assessment of Existing Materials

Textbook/Publisher/Edition: The Elements of Computing Systems
Building a Modern Computer from First Principles

Chapter/Assignment: Chapter 1: Boolean Logic

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Use this rubric to assess existing openly-licensed materials . Refer to the IDEA Framework & Implementation Guide for further completion instructions and explanation of each category. Complete an assessment for each chapter, appendix, etc. of the textbook.

Category	Exclusive	Emerging Inclusive	Inclusive
Illustrations and Photos <input checked="" type="checkbox"/> Does not apply	<input type="checkbox"/> Less than 30% of photos and illustrations include BIPOC	<input type="checkbox"/> 30-70% of photos and illustrations include BIPOC	<input type="checkbox"/> More than 70% of photos and illustrations include BIPOC
Example Names <input checked="" type="checkbox"/> Does not apply	<input type="checkbox"/> Less than 30% of names reflect BIPOC culture	<input type="checkbox"/> 30-70% of names reflect BIPOC culture	<input type="checkbox"/> More than 70% of names reflect BIPOC culture
Gender Inclusive Language and Use of Pronouns <input checked="" type="checkbox"/> Does not apply	<input type="checkbox"/> Many examples of language that is not gender inclusive and inappropriate use of pronouns. <i>Include examples in notes</i>	<input type="checkbox"/> Some examples of language that is not gender inclusive and inappropriate use of pronouns. <i>Include examples in notes</i>	<input type="checkbox"/> Very few to no examples of language that is not gender inclusive and inappropriate use of pronouns. <i>Include examples in notes</i>
Diverse Authors, Researchers, and Studies <input type="checkbox"/> Does not apply	<input type="checkbox"/> Very few to no examples of diverse authors and researchers with few to no studies related to BIPOC	<input checked="" type="checkbox"/> Some examples of diverse authors and researchers with some studies related to BIPOC	<input type="checkbox"/> Many examples of diverse authors and researchers with many studies related to BIPOC
Applications, Examples, and	<input checked="" type="checkbox"/> Very few to no examples of	<input type="checkbox"/> Some examples of applications,	<input type="checkbox"/> Many examples of applications,

Problem Scenarios <input type="checkbox"/> Does not apply	applications, examples and scenarios reflect BIPOC culture	examples and scenarios reflect BIPOC culture	examples and scenarios reflect BIPOC culture
Appropriate Terminology <input type="checkbox"/> Does not apply	<input type="checkbox"/> Many examples of terminology that is derogatory/inappropriate. <i>Include examples in notes</i>	<input type="checkbox"/> Some examples of terminology that is derogatory/inappropriate. <i>Include examples in notes</i>	<input checked="" type="checkbox"/> Very few to no examples of terminology that is derogatory/inappropriate. <i>Include examples in notes</i>
Keyword, Glossary and Metadata Representation <input type="checkbox"/> Does not apply	<input checked="" type="checkbox"/> Very few to no examples of keywords or glossary terms reflect diverse topics and/or folks	<input type="checkbox"/> Some examples of keywords or glossary terms reflect diverse topics and/or folks	<input type="checkbox"/> Many examples of keywords or glossary terms reflect diverse topics and/or folks
Incorporating Diverse Perspectives <input type="checkbox"/> Does not apply	<input checked="" type="checkbox"/> Use of 0 diverse perspectives relevant to underrepresented groups	<input type="checkbox"/> Use of 1 diverse perspective relevant to underrepresented groups	<input type="checkbox"/> Use of 2 or more diverse perspectives relevant to underrepresented groups
Computer Science content easy to follow	<input type="checkbox"/> Difficulty to follow, very limited related content	<input checked="" type="checkbox"/> Medium level to follow, somewhat related content	<input type="checkbox"/> Easy to follow, great content.
Exercises			

Use the sections below to keep notes on important pages or other observations throughout the textbook. For example, you can note where inappropriate terminology occurs, examples of non-inclusive gendered language or a good opportunity to incorporate a diverse perspective.

Illustrations and Photos:

Example Names:

Gender-Inclusive Language and Use of Pronouns:

Diverse Authors, Researchers, and Studies: 

Applications, Examples, and Problem Scenarios that Relate to Diverse Audiences: 

Appropriate Terminology: 

Keyword, Glossary, and Metadata Representations:

Incorporating Diverse Perspectives:

Category Count:

Exclusive:

Emerging Inclusive:

Inclusive:

Notes:

Chapter 1 on Boolean Logic is heavily focused on mathematical principles and does not include examples involving people. No names are used, no pronouns are used.

