Teaching with OER at UK

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CHE 103: Chemistry for Allied Health Professionals

• Pre-nursing students
• One-semester survey course (GOB)
• Only chemistry course
• 200-250 students per semester
Why change?

• Limited number of textbooks available at appropriate level with covered content
• Content order in textbooks
• Cost
Traditional Textbook

• Cost
  • New: $165
  • Average student cost: $85
• Not a reference book for students
Challenges in Finding OER

• Content
  • Topics
  • Accuracy
  • Readability
• Level
  • Broad survey of topics
  • Shallow coverage
Resources

• OpenStax
• LibreText (ChemWiki)
• CK12.org
<table>
<thead>
<tr>
<th>Pros</th>
<th>Cons</th>
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</thead>
<tbody>
<tr>
<td>Web-based</td>
<td>Editor</td>
</tr>
<tr>
<td>PDF</td>
<td>Level of content not always sufficient</td>
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<tr>
<td>Substantial amount of content</td>
<td>Hard to link to individual section or page</td>
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LibreText (ChemWiki)

• Content
  • Transferred existing content
  • More chemistry content available
• Improved editing
• Link to book, pages, and sections
Where do we go from here?

- Improvement of current materials
  - Content
  - Practice problems
  - Solutions manual
- Other CHE courses
  - OpenStax as option for current students in General Chemistry (correlation guide)
Acknowledgements