Committee:

Mike Furr, Co-Chair, Southwestern Union  
Keith Waters, Co-Chair, North Pacific Union  
Gerry Ban, Co-Chair, Mid-America Union  
Teryl Loeffler, Pacific Union  
Jere Clayburn, Hinsdale Adventist Academy  
Adam Littell, Mount Pisgah Academy  
Trevor Ross, Spring Valley Academy  
Paul Turk, Sacramento Adventist Academy

The following publishing companies presented to the committee:

D. Pearson – www.pearsonschool.com

North American Division Science Textbook List

The NAD Science Textbook Review Committee, which met in June 2019, was composed of four secondary Science teachers and four Union secondary leaders. The committee considered textbooks from four publishers: Houghton Mifflin Harcourt, Kendall Hunt / Activate Learning, McGraw-Hill, and Pearson.

Committee Observations:

- Customizable teaching resources (eBooks, labs, worksheets) and clearly defined differentiated instruction activities  
- Interactive digital resources available on all platforms  
- Multilingual vocabulary  
- Textbooks are aligned with Next Generation Science Standards (NGSS) with some completely structured around NGSS  
- Textbooks are available online or can be accessed through various eReader apps  
- Companies offer a wide range of online and digital resources  
- Support for teachers to use the provided resources

The following resources were NOT reviewed by this committee, but are available to be considered by schools wanting to teach these subjects:

- Forensic Science – Kendall Hunt  
- Environmental Science – Houghton Mifflin Harcourt, McGraw-Hill  
- Zoology – McGraw-Hill  
- Marine Biology – McGraw-Hill  
- AP Biology, AP Chemistry, AP Environmental Science – McGraw-Hill  
- AP Biology – Pearson  
- Anatomy and Physiology – page 2  
- Biology – pages 3-4  
- Chemistry – pages 5-6  
- Earth Science – pages 7-8  
- Physical Science – page 9  
- Physics – pages 10-11
ANATOMY AND PHYSIOLOGY

1st Choice Recommended: Pearson
Essentials of Human Anatomy & Physiology (2018)
No Teacher Edition
Contact the company representative for ISBN numbers for online/eText editions

Notes:
- Extensive online resources
- Virtual labs available
- Connections to careers
- Online videos and simulations
- Online tutoring and study help
- Downloadable eText allows offline access

2nd Choice Recommended: McGraw-Hill
Hole’s Essentials of Human Anatomy & Physiology (2018)
No Teacher Edition
Contact the company representative for ISBN numbers for online/eText editions

Notes:
- Extensive online resources
- Virtual labs available
- Connections to careers
- Online videos and simulations
- Online tutoring and study help
- Downloadable eText allows offline access
BIOLOGY

FYI - The Kendall Hunt, NAD endorsed, faith-based, biology textbook is scheduled to be ready for use by the 2020-2021 school year.

1st Choice Recommended: McGraw-Hill
Inspire Biology (2020)

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- All online resources for all subjects built on the same platform
- Excellent teacher resources
- Adaptive learning platform (LearnSmart)
- Easily links to Google Classroom
- Customizable reading levels
- Downloadable eBooks allow offline access
- Links to other educational resources that are not McGraw-Hill’s (PhET simulations, Spongelab)
- Excellent and varied labs available for all topics
- Read-aloud feature in online resources

2nd Choice Recommended: Houghton Mifflin Harcourt
HMH Science Dimensions Biology (2018)

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- Online resources
- Read-aloud feature in online resources
- Interactive student eBook
- Numerous activities
- Thing Explainer (simple, humorous explanation of important concepts)
- Intentional in the use of the “5 E’s”
- Topics covered are limited to those required by NGSS
**3rd Choice Recommended:** Pearson

*Biology* (2019)

Contact the company representative for ISBN numbers for online/eText editions

**Notes:**
- Personalized tutoring
- Lesson-by-lesson correlation to NGSS
- Opportunities to implement STEM related activities included in each chapter
- Each chapter begins with a case study which leads into a unit project
- Biology and technology related careers included
- Interactive simulations
- Wide variety of suggested labs with materials list for the course are featured at the beginning of the Teacher’s Edition
- Multi-lingual online glossary
- Different reading levels of student text and resources available
- Many online resources

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**4th Choice Recommended:** Houghton Mifflin Harcourt

*Biology* (2017)

Contact the company representative for ISBN numbers for online/eText editions

**Notes:**
- Online resources
- STEM activities embedded throughout the text
- Ability to modify resources to match student needs
- Audio feature available
- Note taking strategies built into problem solving activities
- Inquiry based
- ExamView ability to differentiate assessment
- Intentional connection of biology to other sciences
- High quality media galleries available e.g. Biozine
- Wide variety of suggested labs (STEM labs, Probeware, Forensics, Virtual and Video labs, etc.)
- Printable multi-lingual online glossary
- NGSS aligned, however it is the least aligned of all reviewed textbooks
CHEMISTRY

1st Choice Recommended: McGraw-Hill
Inspire Chemistry (2020)

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- All online resources for all subjects built on the same platform
- Excellent teacher resources
- Adaptive learning platform (LearnSmart)
- Solutions, not just answers available for selected practice problems
- Easily links to Google Classroom
- Customizable reading levels
- Downloadable eBooks allow offline access
- Links to other educational resources that are not McGraw-Hill's (PhET simulations, Spongelab)
- ALEKS for chemistry available
- Excellent and varied labs available for all topics
- Read-aloud feature in online resources

2nd Choice Recommended: Pearson
Chemistry (2017)

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- Personalized tutoring
- High quality media galleries available e.g. Untamed Science videos
- Each chapter begins with a Chapter Mystery with clues to pique student interest
- Solutions, not just answers available for selected practice problems
- Interactive simulations
- Wide variety of suggested labs with materials list featured at the beginning of the Teacher's Edition
- Probe labs compatible with Vernier, Pasco, and Texas Instruments
- Different reading levels of student text and resources available
- Integrates art with sciences
- Every chapter contains a real life chemistry connection – Chemistry and You
- Differentiated instruction strategies are included
- Math diagnostics for chemistry

Chemistry continued on next page
<table>
<thead>
<tr>
<th>3rd Choice Recommended:</th>
<th>Houghton Mifflin Harcourt</th>
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<tr>
<td>Modern Chemistry (2017)</td>
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Contact the company representative for ISBN numbers for online/eText editions  

Notes:  
- Online resources  
- Differentiated instruction strategies included  
- Access to customizable pictures and graphs  
- Ability to modify resources to match student needs  
- Audio feature available  
- Notetaking strategies build into problem solving activities  
- Interactive notetaking available within eTextbook  
- Inquiry based  
- ExamView with the ability to differentiate assessments  
- Intentional connection of chemistry to other sciences  
- High quality media galleries available e.g. Why It Matters video  
- Variety of suggested labs  
- Aligned with NGSS  
- Thing Explainer (simple, humorous explanation of important concepts)  
- Not visually stimulating

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<thead>
<tr>
<th>4th Choice Recommended:</th>
<th>Activate Learning (Kendall Hunt)</th>
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<tbody>
<tr>
<td>Active Chemistry A Project-Based Inquiry Approach</td>
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Print Teacher Editions (2011) – 2 Volume Set  
  - Volume 1, Chapters 1-4 ISBN: 978-1-60-720400-8  
Contact the company representative for ISBN numbers for online/eText editions  

Notes:  
- Strictly project-based
EARTH SCIENCE

1st Choice Recommended: McGraw-Hill
INSPIRE SCIENCE: EARTH & SPACE (2020)

This Book Available For 2020-2021 School Year

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- All online resources for all subjects built on the same platform
- Excellent teacher resources
- Adaptive learning platform (LearnSmart)
- Easily links to Google Classroom
- Customizable reading levels
- downloadable eBooks allow offline access
- Links to other educational resources that are not McGraw-Hill's (PhET simulations, Spongelab)
- Excellent and varied labs available for all topics
- Read-aloud feature in online resources

2nd Choice Recommended: Pearson
Earth Science (2017)

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- Wide variety of topics covered
- Inquiry based
- Most references to extremely long geologic time are limited to one unit
- Includes online investigation
- writing in science is included throughout the text
- Attractive text presentation
- ExamView available

EARTH SCIENCE continued on next page
3rd Choice Recommended: Houghton Mifflin Harcourt
Earth & Space Science (2018)

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- Online resources
- Read-aloud feature in online resources
- Interactive student eBook
- Numerous activities
- Thing Explainer (simple, humorous explanation of important concepts)
- Intentional in the use of the “5 E’s”
- Topics covered are limited to those required by NGSS

4th Choice Recommended: Activate Learning (Kendall Hunt)
EarthComm Project-Based Earth and Space System Science (2018)

Print Student Edition ISBN: 978-1-68-231294-0
Print Teacher Editions – 3 Volume Set
  Volume 1, Chapters 1-3 ISBN: 978-1-68-231297-1
  Volume 2, Chapters 4-6 ISBN: 978-1-68-231298-8
Contact the company representative for ISBN numbers for online/eText editions

Notes:
- Strictly project-based
PHYSICAL SCIENCE

NOTE: McGraw-Hill is releasing a new Physical Science textbook in 2020. The committee was unable to review it, however, anticipate it will have a consistent quality and format as the other McGraw-Hill Inspire Science textbooks that have been reviewed.

1st Choice Recommended: Activate Learning (Kendall Hunt)

Active Physical Science A Project-Based Inquiry Approach (2016)

Print Teacher Editions – 3 Volume Set
- Volume 1, Chapters 1-3  ISBN: 978-1-60-720930-0
- Volume 2, Chapters 4-6  ISBN: 978-1-60-720931-7
- Volume 3, Chapters 7-8  ISBN: 978-1-60-720932-4
- 3 Volume Set ISBN: 978-1-60-720929-4

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- Strictly project-based
PHYSICS

1st Choice Recommended: McGraw-Hill
*Inspire Physics* (2020)

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- All online resources for all subjects built on the same platform
- Excellent teacher resources
- Adaptive learning platform (LearnSmart)
- Easily links to Google Classroom
- Customizable reading levels
- Downloadable eBooks allow offline access
- Links to other educational resources that are not McGraw-Hill’s (PhET simulations, Spongelab)
- Excellent and varied labs available for all topics
- Read-aloud feature in online resources

2nd Choice Recommended: Houghton Mifflin Harcourt
*Physics* (2017)

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- Differentiated instruction strategies included
- Problems listed just after examples
- Access to customizable pictures and graphs
- Ability to modify resources to match student needs
- Audio feature available
- Note taking strategies built into problem solving activities
- Interactive note taking available within eTextbook
- Inquiry based
- ExamView with the ability to differentiate assessments
- Intentional connection of physics to other sciences
- Extensive collection of suggested labs and animations available online
- NGSS aligned
- STEM activities embedded through text
- Connection to careers
- Thing Explainer (simple, humorous explanation of important concepts)

PHYSICS continued on next page
3rd Choice Recommended: Activate Learning (Kendall Hunt)

*Active Physics A Project-Based Inquiry Approach* (2016)

Print Student Edition ISBN: 978-1-60-720860-0
Print Teacher Editions – 3 Volume Set
  - Volume 1, Chapters 1-3 ISBN: 978-1-60-720862-4
  - Volume 2, Chapters 4-6 ISBN: 978-1-60-720863-1
  - Volume 3, Chapters 7-8 ISBN: 978-1-60-720864-8

Contact the company representative for ISBN numbers for online/eText editions

Notes:
- Strictly project-based