

## MEMORANDUM

FROM: Stephen Buchs, Director of Curriculum 9-12

TO: District 301 Board of Education, Dr. Esther Mongan, Superintendent

DATE: July 10, 2024

RE: Textbook Adoption for HS Biology - \$57,371.16

---

### MATERIALS:

- HMH Science Dimensions Biology - Student Editions
  - \$38.80 per unit, Qty - 90 = total \$3,492
- HMH Science Dimensions Biology - Teacher Editions
  - \$189.75 per unit, Qty - 4 = total \$759.00
- HMH Science Dimensions Biology - Student Digital Licenses
  - \$131.10 per unit, Qty - 400 = total \$52,440.00

### Rationale:

This book can be used for Biology and Honors Biology. This book is at a 9th or 10th grade level and this book closely matches the current curriculum. Additionally, some student materials from this text are already being used in current Biology and Honors Biology courses. This textbook is the first choice of texts because it is highly NGSS-aligned, with student and teacher materials designed in such a way as to help students master the performance expectations as well as the content expectations. Real emphasis is placed on having students do science while learning science, and there are research-based learning strategies included in every chapter (i.e., vocabulary strategies, differentiation strategies, etc). Student materials are designed to have students work consistently at higher levels of Webb's Depth of Knowledge (DOK) after working at lower levels, which is what makes this book a perfect fit for both an honors and an on-level Biology curriculum—all students can be challenged at their current levels. These student materials are also available for students to access through the online student portal, which students can login to at any time in order to complete work assigned by the teacher through the teacher portal or to access interactive practice materials that will help students build skills and understand concepts. These interactive practice materials also have students learn material by accessing higher levels of Webb's DOK; these materials are not available to students in the print edition of the text, which is why purchasing online student licenses would be highly desired. The online portal for both students and teachers is also relatively easy to use and for students to learn how to use.



Other rationale provided by the instructors (Peter Mietka, Jamie Fee, Ed McNally, and Terie Engelbrecht):

- Includes interactive practice material resources through the digital portal
- Alignment to NGSS
- Designed to have students do science while learning
- Materials are designed to move students from lower level of Webb's DOK to higher level

**Textbook Information:**

- *Biology*, By Houghton Mifflin Harcourt, ISBN 978-0-54-486178-7, 978-0-35-839949-0, Copyright: 2018

**Recommendation:**

The textbook *Biology*, by HMH, is recommended for purchase beginning for the 2024-2025 school year. This book will be a replacement resource as the current Biology book is a Savvas product that is not aligned to NGSS. The purchase will provide one classroom hard copy set to each of the high school Biology classrooms and e-versions accessible by the students.