

MEMORANDUM

FROM: Stephen Buchs, Director of Curriculum 6-12

TO: District 301 Board of Education, Dr. Griff Powell and Dr. Kyle Schumacher, Interim
-Superintendents

DATE: July 15, 2025

RE: Textbook Adoption for HS Physics - \$23,181.96

MATERIALS:

- HMH Science Dimensions Physics - Student Editions
 - \$29.25 per unit, Qty - 60 = total \$1,755.00
- HMH Science Dimensions Physics 6 yr - Teacher Editions
 - \$197.35 per unit, Qty - 3 = total \$592.05
- HMH Science Dimensions Physics 6 yr - Student Digital Licenses
 - \$137.10 per unit, Qty - 150 = total \$20,565.00

Rationale:

This book is written for high school students enrolled in general education Physics Class. The reason for selecting this book is due to its relevance to Next Generation Science Standards, performance assessments, student growth assessments, reasonable pacing and content inclusion, and having resources readily available to a newer approach to teaching (NGSS and Performance Assessments). Furthermore, the book does a good job of linking standards to different Depth of Knowledge (DoK) levels on assessments and learning tasks. Overall, the book will provide a resource that matches relatively closely to the current curriculum, includes effective and research-based learning strategies, contains relevant phenomenon-based units, and will provide teachers and students with an updated learning resource to be used in and out of the classroom. 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 (Kelly Stoner and Terie Engelbrecht):

- Includes interactive practice material resources through the digital portal
- Emphasis the engineering process rather than scientific method
- Alignment to NGSS
- Designed to engage students in scientific practice while learning
- Materials are designed to move students from lower level to higher levels of Webb's DoK

**Textbook Information:**

- *Physics*, By Houghton Mifflin Harcourt, ISBN 978-0-35-804718-6, 978-0-35-839961-2, Copyright: 2020

Recommendation:

The textbook *Physics*, by HMH, is recommended for purchase beginning for the 2025-2026 school year. This book will be a replacement resource as the current *Physics* book is a Glencoe product that is not aligned to NGSS copyright 2005. The purchase will provide one classroom hard copy set to each of the high school *Physics* classrooms and e-versions accessible by the students.