

KETCHIKAN GATEWAY BOROUGH SCHOOL DISTRICT  
BOARD OF EDUCATION  
AGENDA STATEMENT

No 9 e

MEETING OF May 27, 2020

Reviewed By

Item Title

**NEW BUSINESS**

Motion to approve the NGSS National Geographic/Cengage Learning 9-12 Science Curriculum for the following courses:  
Foundations of Astronomy, Forestry Science, Oceanography, Introductory Chemistry, Anatomy and Physiology.

Superintendent  
 Finance  
 Curriculum

SUBMITTED BY Beth Lougee, Superintendent

Contact Person/Telephone

APPROVED FOR SUBMITTAL

Beth Lougee                      907-247-2136  
Name                                      Phone

SUMMARY STATEMENT:

The Board is being asked to approve a 9-12 science curriculum: NGSS National Geographic/Cengage Learning Science Textbooks. This 9-12 curriculum will be adopted for a 6 year period, and includes bundled materials of classroom sets of textbooks and online access.

ISSUE:

Board Policy 6141 states “the Board shall adopt a district curriculum which to the extent possible reflects the desires of the community, the needs of society, and the requirements of law...The curriculum shall be consistent with and aligned to established state standards and the philosophy, goals and objectives of the district.” Furthermore, AR 6141 states that final decisions concerning the development of educational programs are the sole responsibility of the School Board.

BACKGROUND:

Science curriculum was up for adoption in 2017 based on the KGBSD rotation cycle. Due to the State of Alaska adopting new state standards for science, the district opted to wait to review and select curriculum until the standards were updated and formally adopted. In 2019 the State of Alaska adopted new science standards (Next Generation Science Standards w/ AK Standards). Subsequently, the K-12 Science Curriculum Committee spent the current school year reviewing multiple science curriculums that align to current Alaska State Standards. The high school science department proposed offering new courses that aligned to the NGSS and AK State Science Standards. After student scheduling and knowing what courses were of interest to students, the following new classes were added to the schedule: Foundations of Astronomy, Forestry Science, Introductory Chemistry and Human Anatomy and Physiology. Oceanography is a current course but warranted newer textbooks and materials. The curriculum being presented for approval, along with the accompanying materials, aligns to Alaska’s newly adopted science standards.

RECOMMENDATION: Administration recommends approval of the purchase.

FISCAL NOTE:

EXPENDITURE REQUIRED:    \$30,241.70

AMOUNT BUDGETED: \$30,241.70

ATTACHMENT: Quotes

RECOMMENDED ACTION:

“I move that the Board of Education approve the NGSS National Geographic/Cengage Learning 9-12 Science Curriculum for the following courses: Foundations of Astronomy, Forestry Science, Oceanography, Introductory Chemistry, Anatomy and Physiology.”



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Pricing on this Proposal Guaranteed: **10/5/2020**

**Presented To:** Alonso Escalante (907) 617-6853, [alonso.escalante@k21schools.org](mailto:alonso.escalante@k21schools.org)

**Prepared By:** Jim Patneau, (206) 707-1748, [jim.patneau@cengage.com](mailto:jim.patneau@cengage.com)

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Quoted Products: SCI Astronomy, Forestry, Oceanography, Chemistry

Qty	Update Qty	Product	Price	Quoted Price	Total
21		<a href="#">Foundations of Astronomy : (Level 1)</a> Seeds/Backman 14th Edition [STM, 2019] 9780357031612 / 035703161X	\$79.50	\$79.50	\$1,669.50
11		<a href="#">Bundle: Foundations of Astronomy, 14th Student Edition + MindTap (6-year access)</a> Seeds/Backman 14th Edition [STM, 2019] 9780357082928 / 0357082923	\$109.50	\$109.50	\$1,204.50
32		<a href="#">Introduction to Forestry Science, Soft Cover</a> Burton 3rd Edition [K12, 2018] 9781337904568 / 1337904562	\$99.75	\$99.75	\$3,192.00
11		<a href="#">3P-EBK:INTRODUCTION TO FORESTRY SCIENCE 3E</a> Burton 3rd Edition [K12, 2013] 9781133711629 / 1133711626	\$27.99	\$27.99	\$307.89
1		<a href="#">Lab Manual Instructor's Guide for Burton's Introduction to Forestry Science, 3rd</a> BURTON 3rd Edition [K12, 2013] 9781111308421 / 111130842X	\$93.00	\$0.00	<b>FREE</b>
1		<a href="#">Instructor's Manual for Burton's Introduction to Forestry Science, 3rd</a> BURTON 3rd Edition [K12, 2013] 9781111308407 / 1111308403	\$21.75	\$0.00	<b>FREE</b>
18		<a href="#">Oceanography : An Invitation to Marine Science</a> Garrison 9th Edition [STM, 2016] 9781305105164 / 1305105168	\$85.50	\$85.50	\$1,539.00
14		<a href="#">Bundle: Oceanography: An Invitation to Marine Science, 9th Student Edition + MindTap (6-year access)</a> Garrison 9th Edition [STM, 2016] 9781305793545 / 1305793544	\$115.50	\$115.50	\$1,617.00
32		<a href="#">Bundle: Introductory Chemistry: A Foundation, 9th Student Edition + OWL™ (6-year access)</a> Zumdahl 9th Edition [STM, 2019] 9781337860413 / 1337860417	\$170.75	\$170.75	\$5,464.00
61		<a href="#">Digital Bundle: Introductory Chemistry: A Foundation, 9th OWL™ + VitalSource™ eBook</a>	\$140.75	\$140.75	\$8,585.75

		<b>(6-year access)</b> Zumdahl 9th Edition [STM, 2019] 9781337860420 / 1337860425			
1		<b>Annotated Instructor's Edition for Zumdahl/Decoste's Introductory Chemistry: A Foundation, 9th</b> Zumdahl 9th Edition [STM, 2019] 9781337399432 / 1337399434	\$168.75	\$0.00	<b>FREE</b>
1		<b>Student Solutions Manual for Zumdahl/DeCoste's Introductory Chemistry: A Foundation, 9th</b> Zumdahl/DeCoste 9th Edition [STM, 2019] 9781337399470 / 1337399477	\$85.25	\$0.00	<b>FREE</b>

Sub-Total: \$23,579.64  
+ Estimated Shipping and/or Process Fee: \$2,357.96

**TOTAL: \$25,937.60**  
**Total Savings: \$368.75**

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Course	Textbook Title	Author	Publisher	year published	ISBN	Number of Books	Other	Approx. Student Requests 2020 (digital access licenses)	Teachers (class sets of 32)
Human Anatomy & Physiology	<a href="#">Essentials of Anatomy</a>	Marieb	Pearson	2018	978-0-07-903972-9	30	Digital access for 60 students per year.	36	1
Survey of Astronomy	Astronomy: A Foundation	Seeds/Backman	Cengage	2018	ISBN -13: 978-1337399920	1	Need 1 preview	11	1
Forest Ecology	Introduction to Forestry Science	Burton	Cengage	2013	ISBN-13: 978-1337904568	1	Need a preview	11	1



