

Denton Independent School District
K-12 Science Instructional Materials Adoption
April 23, 2024

SUMMARY:

This item requests approval of the K-12 science and CTE instructional materials selected through the adoption process.

BOARD VALUE:

Teaching & Learning... In pursuit of excellence, we value cultivating a consistent, strong, district-wide balanced curriculum based on ongoing needs assessments supporting all students. Growth & Management... In pursuit of excellence, we value demonstrating effective and efficient management of district resources.

PREVIOUS BOARD ACTION:

None

BACKGROUND INFORMATION:

The TEA issued the “Proclamation 2024 State Adoption” in the fall of 2023 for Science K-12 and all CTE courses. The proclamation was a call for new instructional materials aligned to the new Science K-12 TEKS (state standards). In response, Denton ISD engaged in a year-long process of reviewing all SBOE rated materials for all listed courses. This process included the careful selection and approval of instructional materials to be used in classrooms.

SIGNIFICANT ISSUES:

None

FISCAL IMPLICATIONS:

The cost will be borne through the Instructional Materials Allotment budget and CTE funding

BENEFIT OF ACTION:

The approval of this purchase will allow the District to provide continuity of service to support students in their K-12 science and CTE courses.

SUPERINTENDENT’S RECOMMENDATION:

It is recommended that the list of science and CTE resources be approved.

STAFF PERSONS RESPONSIBLE:

Sandy Brown, Executive Director Elementary Curriculum
Heather Eby, Coordinator Elementary Curriculum
Brianna Morris, Coordinator Secondary Curriculum
Carla Ruge-Fritz, Director CTE
Dr. Lisa Thibodeaux, Executive Director Secondary Curriculum

ATTACHMENTS:

Attachment A: Denton ISD K-12 Science Adoption Final Recommendations
Attachment B: Denton ISD K-12 Science Adoption Committees
Attachment C: Denton ISD K-12 Science Adoption Timeline

APPROVAL:

Signature of Staff Member Proposing Recommendation: _____
Signature of Divisional Assistant Superintendent: _____
Signature of Superintendent: _____

Attachment A: Denton ISD K-12 Science Adoption Final Recommendations

Elementary Science K-5

Science Grade K - Houghton Mifflin Harcourt Depository Science, *HMH Into Science Texas Grade K* 9780358858089, 100% TEKS 100% ELPS*

Science Grade 1 - Houghton Mifflin Harcourt Depository Science, *HMH Into Science Texas Grade 1* 9780358858096, 100% TEKS 100% ELPS*

Science Grade 2 - Houghton Mifflin Harcourt Depository Science, *HMH Into Science Texas Grade 2* 9780358858102, 100% TEKS 100% ELPS*

Science Grade 3 - Houghton Mifflin Harcourt Depository Science, *HMH Into Science Texas Grade 3* 9780358858119, 100% TEKS 100% ELPS*

Science Grade 4 - Houghton Mifflin Harcourt Depository Science, *HMH Into Science Texas Grade 4* 9780358858126, 100% TEKS 100% ELPS*

Science Grade 5 - Houghton Mifflin Harcourt Depository Science, *HMH Into Science Texas Grade 5* 9780358858133, 100% TEKS 100% ELPS*

Middle School Science 6-8

Science 6 - Savvas Learning Company LLC formerly Pearson K12 Learning Science, *Texas Experience Science*, 9781428555860, 100% TEKS 100% ELPS*

Science 7 - Savvas Learning Company LLC formerly Pearson K12 Learning Science, *Texas Experience Science*, 9781428555877, 100% TEKS 100% ELPS*

Science 8 - Savvas Learning Company LLC formerly Pearson K12 Learning Science, *Grade 8 Texas Experience Science*, 9781428555884, 100% TEKS 100% ELPS*

Science 6-8 - Explore Learning K-12 STEM Solutions, Gizmos, FEIN 38-3942548

High School Science Courses

Biology - McGraw-Hill School Division, McGraw Hill *Texas Biology* 9781265039899, 100% TEKS 100% ELPS*

Chemistry - McGraw-Hill School Division, McGraw Hill *Texas Chemistry* 9781265041632, 100% TEKS 100% ELPS*

IPC - McGraw-Hill School Division, McGraw Hill *Texas Integrated Physics and Chemistry*, 9781265097974, 100% TEKS 100% ELPS*

Physics - McGraw-Hill School Division, McGraw Hill *Texas Physics* 9781265047153, 100% TEKS 100% ELPS*

Science 9-12 - Explore Learning K-12 STEM Solutions, Gizmos, FEIN 38-3942548

High School Elective Science Courses

Astronomy - eDynamic Holdings LP, *Astronomy*, 1a/1b 9781959433507, 100% TEKS 100% ELPS*

Aquatic Science - Cengage Learning Inc., *Aquatic Science Oceanography: An Invitation to Marine Science HS Edition*, 100% TEKS 100% ELPS*

Earth Systems Science - Cengage Learning Inc., *Earth Systems Science, Texas Edition* 9798214068589, 100% TEKS 100% ELPS*

Environmental Systems - Cengage Learning Inc., *Environmental Science: Sustaining Your World, Texas Edition* 9798214069432, 100% TEKS 100% ELPS*

Advanced Placement Science Courses

AP Biology - Bedford, Freeman, & Worth, *Biology for the AP Course, 1e*, 9781319113315

AP Chemistry - SAVVAS, *Chemistry: A Molecular Approach, 6e for AP*, 9780138310066

AP Environmental Science - Bedford, Freeman, & Worth, *Environmental Science for the AP Course, 4e*

AP Physics 1 - Bedford, Freeman, & Worth, *College Physics for the AP Physics 1 & 2 Course, 3e*, 9781319486211

AP Physics 2 - SAVVAS, *Physics for College Physics for the AP Physics 1 & 2 Course, 2e*, 9780134683300

Career and Technical Education Courses

Forensic Science - SAVVAS Learning Company, *Forensic Science: An Introduction, 4ed.*, 9780138342432*

Health Science Theory - Cengage, *Simmers DHO Health Science*, 9798214084947*

Computer Science I - Compuscular, *Java Programming-CSI*, 9781946113467*

Computer Science II - CodeHS, *Texas Computer Science 2*, 9798987718261*

Medical Assistant - National Healthcareer Association, *MA SkillsBuilder: Clinical Plus*, 9781565332676*

Medical Terminology - National Healthcareer Association, *Medical Terminology*, 9781565332676*

Pharmacology - Assessment Technologies Institute, LLC, dba National Healthcare Association, *PharmaSeer: TEKS*, 9781565334939 (TEKS 97.67%)*

Anatomy & Physiology - CEV Multimedia Ltd., *Anatomy & Physiology*, 9798888640005*

Child Development - CEV Multimedia Ltd., *Child Development*, 9798888640012*

Food Science - CEV Multimedia Ltd. 9798888640067*

Fundamentals of Computer Science - CEV Multimedia Ltd. 9798888640098*

Instructional Practices - CEV Multimedia Ltd. 9798888640128*

Principles of Applied Engineering - CEV Multimedia Ltd. 9798888640180*

Principles of Education and Training - CEV Multimedia Ltd. 9798888640197*

*Resource included in *Proclamation 2024: List of Instructional Materials Adopted by SBOE*

Attachment B: Denton ISD K-12 Science Adoption Committees

District Committee

Develops and monitors processes. Reviews and accepts final instructional materials recommendations. Brings science instructional materials recommendations to the Board of Trustees.

Heather Eby	Elementary Science Coordinator
Brianna Morris	Secondary Science Coordinator
Sandy Brown	Executive Director for Elementary Curriculum, Instruction, and Staff Development
Dr. Lisa Thibodeaux	Executive Director for Secondary Curriculum, Instruction, and Staff Development
Carla Ruge-Fritz	Director for Career and Technical Education
Will Milne	Career and Technical Education Coordinator
Jeff Baker	Instructional Materials Coordinator
Leslie Terronez	PD Specialist for Secondary Science
Laura Davis	Special Education, Elementary
Christie Mullenix	Special Education, Secondary
Brenda Bustamante	Bilingual/ESL, Elementary
Amy Washam	Bilingual/ESL, Secondary
Ross Garison	Director for Digital Learning
Susan Cheatham	Technology

Teacher Committee (High Enrollment Courses)

Understand adoption process guidelines including review rubrics. Inform Teacher Advisors on their home campus of process and guidelines. Accept and inventory sample materials on campus. Narrows available adoption options based on criteria/rubric and professional judgment. Attend 2 in-person after school training and review meetings + 1 virtual after school training and review meeting.

Grade Level/Course	Name	Campus
Science 6	Andrew Rolf	Navo MS
Science 6	Justina Record	McMath MS
Science 6	Jasmine Bosquez	Calhoun MS
Science 7	Misty Bennett	Rodriguez MS
Science 7	Jamie Williams	Cheek MS
Science 7	Danielle Martinez	Strickland MS
Science 8	Shea Graham	Myers MS
Science 8	Emily Graf	Crownover MS
Science 8	Anna Melka	Harpool MS
Biology	Jennifer Marotto-Hargis	Braswell HS

Biology	Corinna Greb	Denton HS
Biology	Shana Cobbs	Guyer HS
Biology	Trey Spalding	Ryan HS
Chemistry	Leland Dean	Braswell HS
Chemistry	Hannah Hintz	Denton HS
Chemistry	Stephanie Clarke	Guyer HS
Chemistry	Monica Decker	Ryan HS
IPC	Danthen Salas	Braswell HS
IPC	Misty Blagg	Ryan HS
Physics	Bryan McLaren	Braswell HS
Physics	Monica Martin	Denton HS
Physics	Rob Leffel	Guyer HS
Physics	Matthew Hall	Ryan HS
Elementary Teachers		
3rd Grade	Mandy Goode	Pecan Creek
4th Grade	Presaphanie Dorsey	Providence
Kindergarten Bilingual	Maria Longoria	Rivera
5th Grade	Allison Lonsdale	Savannah
4th Grade	Suzanna Nicolas	Stephens
5th Grade	Shelly Renfro	WS Ryan
4th Grade	Dr. Victoria Serna	Alexander
1st Grade	Melissa Argo	Blanton
5th Grade	Alison Hosack	Borman
2nd Grade	Paul Barnes	Cross Oaks
2nd Grade Bilingual	Julieta Gallardo Villanueva	Evers
5th Grade	Marin Woodard	Ginnings
2nd Grade	Elizabeth Crappell	Hawk
5th Grade Bilingual	Amy Wilson	Hodge
1st Grade	Patricia Boosa	Houston
3rd Grade	Carson Williams	Nelson
Kindergarten	Cristin Slimmer	Nette Shultz

1st Grade Bilingual	Martha Arriaga	Newton Rayzor
ESL Teacher	Christina Weddle	Sandbrock
1st Grade	Bethany Malone	McNair

Elementary Teacher Advisors (High Enrollment Courses)

Understanding adoption process guidelines, with a focus on the rubric categories. Following review, submit feedback and adoption recommendations. (This is open to all interested science teachers.) If available, attend after school February vendor fair. (Could be up to 130 advisors)

Representative for...	Name	Campus
Science 6	All interested teachers	All MS campuses
Science 7	All interested teachers	All MS campuses
Science 8	All interested teachers	All MS campuses
Biology	All interested teachers	All HS campuses
Chemistry	All interested teachers	All HS campuses
IPC	All interested teachers	All HS campuses
Physics	All interested teachers	All HS campuses

Teacher Committee and Advisors (Elective and AP Sciences)

Open invitation to all interested teachers teaching the listed courses. Responsibilities include: Understand adoption process guidelines including review rubrics. Accept and inventory sample materials on campus. Narrow available adoption options based on criteria/rubric and professional judgment. Attend a ½ day informational/collaboration.

Adoption Representative for...	Name	Campus
Aquatic Science	Kaitlyn Prince	Braswell HS
Aquatic Science	Corinna Greb	Denton HS
Aquatic Science	Patrick Watson/Brittany Seiffert	Guyer HS
Aquatic Science	Matt Trowbridge/Tonya McDaniel	Ryan HS
Astronomy	Ayat Adham	Braswell HS
Astronomy	Katie (Laura) Fisher	Denton HS
Astronomy	Randall Dupree	Guyer HS
Astronomy	Jared Valls	Ryan HS
Environmental Systems	Jeremy Erwin/Ayat Adham	Braswell HS
Environmental Systems	none	Denton HS
Environmental Systems	Alisha Kirby	Guyer HS
Environmental Systems	none	Ryan HS
AP Biology	Anna Seibert	Braswell HS
AP Biology	Katie Happ	Denton HS
AP Biology	Stephanie Taylor-Whitlow	Guyer HS

AP Biology	Jamie Kiraly	Ryan HS
AP Chemistry	Anna Seibert	Braswell HS
AP Chemistry	Heather Lentz	Denton HS
AP Chemistry	Sabrina Erwin	Guyer HS
AP Chemistry	none	Ryan HS
AP Physics (all)	Bryan McLaren/Joe Morales	Braswell HS
AP Physics (all)	Kaitlyn Fisher	Denton HS
AP Physics (all)	Randall Dupree	Guyer HS
AP Physics (all)	Katie Savage	Ryan HS
AP Environmental Science	Anna Seibert	Braswell HS
AP Environmental Science	Emily Morales	Denton HS
AP Environmental Science	Stephanie Riley	Guyer HS
AP Environmental Science	Tonya McDaniel	Ryan HS

CTE Teacher Committee and Advisors

Forensic Science- Only offered by 1 teacher @ LaGrone Academy

- Kelly Belcher
- Will Milne
- Annelise Harris

Food Science

- David Guzman
- Osnechia Morris
- Latresha Casey
- Austin Luna

Anatomy and Physiology

- Delello, Renatta
- Erwin, Jeremy
- Harris, Annelise
- Malone, Raiford
- Seiffert, Gemelia
- Taliaferro, Rebecca Lynn

Medical Assistant, Medical Terminology, Health Science Theory, Pharmacology

- McCollum, Michelle
- King, Kristi
- Helms, Amanda
- Brownlee, Heather
- Craven, Misty
- Knight, David

Computer Science

- Dieterich, Sherry
- Smith, Andrew Patrick
- Wong, Ping Fai

Child Development

- Benefield, Brittany
- Hamilton, Ashley
- Miller, Emily

Principles of Ed & Training and Instructional Practices

- Hamilton, Ashley
- Miller, Emily
- Irby, Stacy

Attachment C: Denton ISD K-12 Science Adoption Timeline

July 2023	Region 10 Vendor Showcase
October 2023	Invite District Committee Members
October 2023	Invite Teacher Committee Members
October 23, 2023	Mr. Baker Requests Samples and Digital Access to Available Materials
November 7, 2023	Elementary Teacher Committee Meeting #1 (in person)
November 8, 2023	Secondary Teacher Committee Meeting #1 (in person)
November 17, 2023	Provide Teacher Committee Rubric and Process FAQ
December 6, 2023	Elementary and Secondary Teacher Committee Meeting #2 (virtual)
January 2024	Region 11 Vendor Showcase
February 6, 2024	Adoption Vendor Fair (all publishers)
February 6, 2024	Elementary Teacher Committee Meeting #2 (in person) and Top Selections Recommendations Due
February 7, 2024	Adoption Vendor Fair (all publishers)
February 7, 2024	Secondary Teacher Committee Meeting #2 (in person) and Top Selections Recommendations Due
February 26 & 29, 2024	Secondary Denton ISD Science Instructional Materials Adoption Resource Reviews (top selected publishers)
March 2024	Vendors Provide Final Revised Materials Copies to Region 11
April 5, 2024	Bring Adoption Recommendations to District Committee
April 23, 2024	Bring Adoption Decisions to Board of Trustees (first meeting)
April-May, 2024	Collect quotes and finalize vendor approvals, if needed
May 2, 2024	Bring Adoption Recommendations to TIMA
May 14, 2024	Bring Purchasing Requests to Board of Trustees
~May 15, 2024	EMAT Ordering Opens
June 10, 2024	All orders completed
July-August	Orders received and distributed
2024-2025 SY	Implementation of new materials