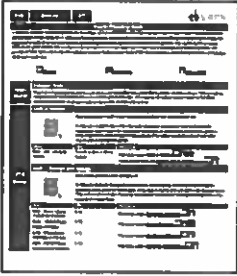

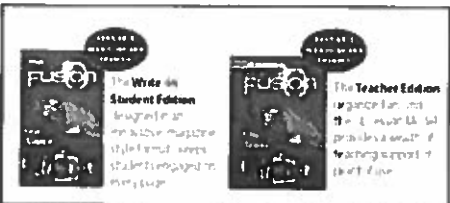








# Science Resources 2017-2018


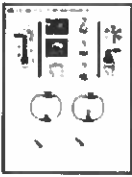
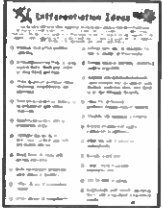





| Lesson Planning Resources   |   |   |
|---|---|---|
| Resource  | Location  | Components  |
|  <p><b>AISD Science Curriculum Documents</b><br/>English and Spanish</p> <p>*Materials Kits for lessons provided by AISD</p> | <p>AISD Science Website<br/><a href="https://sites.google.com/a/austinnisd.org/science/">https://sites.google.com/a/austinnisd.org/science/</a></p> <p>Kits are <b>ordered by campuses</b> on the SHRC website and delivered to the campus</p>  <p><a href="https://sites.google.com/a/austinnisd.org/science/shrc/elementary-kit-request">https://sites.google.com/a/austinnisd.org/science/shrc/elementary-kit-request</a></p> | <p><b>Yearly Pacing Guide (YPG)</b></p> <ul style="list-style-type: none"> <li>• Paces curricular scope and sequence</li> </ul> <p><b>Student Performance Guide (SPG)</b></p> <ul style="list-style-type: none"> <li>• Deconstructs the TEKS</li> <li>• Contains assessment items (English/Spanish) for benchmark assessments</li> <li>• Includes activities and resources to develop academic vocabulary (English/Spanish)</li> </ul> <p><b>Lessons</b></p> <ul style="list-style-type: none"> <li>• Use 5E Platform</li> <li>• Embed Literacy, Whole Child and Tech Rich activities</li> <li>• Provide student documents in Spanish</li> <li>• Recommend differentiated instruction</li> <li>• Suggest PBL Resources</li> </ul> |
|  <p><b>HMH Science Fusion Textbook</b><br/>English and Spanish</p>   | <p>Adopted textbook</p> <p>Assessment Guide</p> <p>Leveled Readers found in classrooms and Literacy Labs.</p> <p>Leveled Readers Teacher Guide</p>  | <ul style="list-style-type: none"> <li>• Uses reading strategies and develops language and writing skills</li> <li>• Provides opportunities for formative/applied assessing which may determine TEKS/SE mastery</li> <li>• Leveled Readers for use with guided reading groups build fluency, skills and content knowledge:             <ul style="list-style-type: none"> <li>○ Red: Below Level</li> <li>○ Blue: On level</li> <li>○ Green: Above level</li> </ul> </li> </ul>   |
|  <p><b>Online Resource for Science</b><br/>English and Spanish</p>   | <p>Think Central AISD BLEND Digital Textbook</p> <p>Digital Lessons and Virtual Labs</p> <p>Leveled Readers</p> <p>Digital Sciencesaurus</p> <p>People in Science</p>  <p>English Only</p>   | <p><b>Digital Lessons</b></p> <ul style="list-style-type: none"> <li>• Offer interactive, hands-on, inquiry lessons scaffold student growth and success</li> <li>• Offers hands-on inquiry through <b>Virtual Labs</b></li> <li>• Houses both Math and Science rich TE with many additional writing and reading and ELPS support resources</li> <li>• Connects students to scientists with <b>People in Science</b></li> <li>• Allows access to <b>leveled readers</b> on 3 levels and online textbooks to support learning in school and at home</li> <li>• Provides science concept explanation through the online <b>ScienceSaurus</b></li> </ul>  |

# Science Resources 2017-2018







| Science Literacy Resources  |  |   |
|---|--|---|
| Resource  | Location   | Components  |
|  <p><b>Learning Resources</b></p> <p>English/Spanish<br/>Science Content<br/>Picture Dictionary</p>  | <p>Purchased by AISD Science<br/>Department for Elementary<br/>Bilingual Science Classrooms</p>  | <ul style="list-style-type: none"> <li>• Develop vocabulary</li> <li>• Serves as a Dual Language Science Glossary</li> <li>• supports language for Spanish speaking ELLs</li> <li>• Resources during centers, writing, bridging and tutorials for language support and development</li> </ul>   |
|  <p><b>HMH Science Fusion Levelled Readers</b><br/>English and Spanish</p> <p>Extra Support    On-Level    Enrichment</p> <p>Levelled Readers include an English and Spanish version for all age of the Level 1 and 2. Also available with audio online and on our new mobile devices!</p> | <p>In campus science literacy libraries</p> <p>AISD BLEND: Think Central<br/><a href="https://www-k6.thinkcentral.com/ePC/start.do">https://www-k6.thinkcentral.com/ePC/start.do</a></p> <p>Levelled Readers Teacher Guide</p> | <p><b>Levelled Readers</b></p> <ul style="list-style-type: none"> <li>• Scaffold science content knowledge</li> <li>• Build non-fiction/expository reading skills</li> <li>• Provide access to content for independent reading and/or guided reading groups</li> <li>• Designate reading levels: <ul style="list-style-type: none"> <li>• Red-Below Level</li> <li>• Blue-On Level</li> <li>• Green-Above Level</li> </ul> </li> <li>• Use to Build Reading Fluency</li> <li>• Suitable for pre-teach, reteach, individualized instruction, centers, tutorials, Flipped Classroom, and for parents to view with students at home</li> <li>• Online readers read to/with students</li> </ul> |
|  <p><b>Visual Literacy Spiraled Practice</b></p>   | <p>AISD Science Website<br/><a href="https://drive.google.com/drive/folders/0B_h9NbZwZr52THdHc1cyNm4xY2M">https://drive.google.com/drive/folders/0B_h9NbZwZr52THdHc1cyNm4xY2M</a></p>  | <ul style="list-style-type: none"> <li>• Provides instruction and practice analyzing images from released tests</li> <li>• Helps students interpret and read the diagrams and images</li> </ul>   |
|  <p><b>Vocabulary Magic</b><br/>English and Spanish</p>  | <p>AISD Science Website<br/><a href="https://sites.google.com/a/aus.tinisd.org/science/">https://sites.google.com/a/aus.tinisd.org/science/</a></p> <p>filed within each unit folder</p>                                       | <ul style="list-style-type: none"> <li>• Groups vocabulary by content strands</li> <li>• Provides vocabulary words, images and definitions for vocabulary acquisition</li> <li>• Versatile format for use in practice, formative assessments &amp; student-to-student quizzing</li> <li>• Supports differentiation strategies and lends itself to spiraled review</li> </ul>  |

# Science Resources 2017-2018

## Support Resources

| Support Resources   |   |  |
|---|---|--|
| Resource  | Location  | Components   |
|  <p><b>Science Anchors of Support</b></p> <p>English and Spanish</p>                         | <p>AISD Science Website</p>   | <ul style="list-style-type: none"> <li>Hyperlinked folder with anchors grouped by science concepts</li> <li>Provide TEKS Aligned examples of anchors of support to scaffold the science learning environment</li> <li>Embed examples from AISD elementary classrooms</li> </ul>                                      |
|  <p><b>AISD Supplemental Aids</b></p>  | <p>AISD Science Website</p> <p>← Support for →<br/>Accommodating Student Needs</p>  | <p><b>Ideas for Differentiating Lessons</b></p>   |
|  <p><b>BrainPop</b><br/>English and Spanish</p> <p><b>BrainPop JR</b><br/>English</p>        | <p>Online: AISD BLEND</p>   | <ul style="list-style-type: none"> <li>Use for teach, re-teach &amp;/or reinforce science concepts in different modality</li> <li>Access for learning-at-home</li> <li>Contain quizzes and activities for quick formative assessing</li> <li>Support Flipped Classroom</li> </ul>                                    |
|  <p><b>Discovery Education</b></p>  | <p>Online: AISD BLEND</p>   | <ul style="list-style-type: none"> <li>Use for teach, re-teach &amp;/or reinforce science concepts in different modality</li> <li>Access for learning-at-home</li> <li>Support Flipped Classroom</li> </ul>  |
| Response to Intervention (RTI) Resources (AISD available)   |   |  |
| Resource  | Location  | Components   |
|  <p><b>STAAR Study Guide</b></p>   | <p>AISD Science Website</p> <p>Available at the AISD Media Center</p>   | <ul style="list-style-type: none"> <li>Use for refresh science concepts and/or study for tests</li> <li>Builds visual aids in science</li> </ul>   |
|  <p><b>5<sup>th</sup> Grade STAAR Intervention Guide</b></p>                               | <p>AISD Science Website</p> <p>Available at the AISD Media Center</p> <p>*delivered to Schools as a Notebook and/or DVD (2014-2015)</p> | <ul style="list-style-type: none"> <li>Contains implications for instruction</li> <li>Provides sample STAAR/TAKS released questions by TEKS</li> <li>Contains vocabulary review cards,</li> <li>Provides another source for Leveled Readers sorted by TEKS</li> <li>Sketches out 5-E lessons for reteach.</li> </ul> |
|  <p><b>5<sup>th</sup> Grade Science Daily Spiral Review</b></p> <p>English and Spanish</p> | <p>AISD Science Website</p> <p>Available at the AISD Media Center</p>   | <p><b>Repetitive Spiraled Review of Science TEKS</b></p> <ul style="list-style-type: none"> <li>Ensure daily review of science TEKS from first semester</li> <li>Short timeframe (10 to 15 minutes)</li> <li>Measurement(s) practice</li> </ul>  |

# Science Resources 2017-2018

| Recommended Response to Intervention (RTI) Resources (for purchase)  |   |   |
|--|---|---|
| Resource   | Location  | Components  |
|  <p><b>Forde-Ferrier Science CVP STAAR</b></p>  <p><b>Forde-Ferrier Science Review and Assessment</b></p> <p>Spanish and English</p> | <p><b>School Purchase:</b><br/> <a href="http://fordeferrier.com/us/index.php?main_page=product_info&amp;cPath=3&amp;products_id=90&amp;zend=6236769a887f3fa40bea6921c5227a1f#.WBoky2QrLZs">http://fordeferrier.com/us/index.php?main_page=product_info&amp;cPath=3&amp;products_id=90&amp;zend=6236769a887f3fa40bea6921c5227a1f#.WBoky2QrLZs</a></p> | <p><i>Forde Ferrier Science</i> focuses on science skills including an overview, vocabulary, vocabulary practice, and concept practice. Use bulleted Quick Facts and reading selections to develop academic language for teachers and students.</p> |
|  <p><b>Mentoring Minds: STAAR Motivation Science</b></p>  | <p><b>School Purchase:</b><br/> <a href="https://www.mentoringminds.com/products/subjects/science.html">https://www.mentoringminds.com/products/subjects/science.html</a></p>   | <p><i>Motivation Science</i> improves student retention of targeted science skills and concepts using guided practice strategies and STAAR-type test questions.</p>   |
|  <p><b>Region IV: Warm Up to Science 5<sup>th</sup> Grade</b></p>   | <p><b>School Purchase:</b><br/> <a href="http://www.esc4.net/staar#SCIENCE">http://www.esc4.net/staar#SCIENCE</a></p>   | <p><i>Warm Up to Science</i> has TEKS Based Engagement Activities that are suitable for interventions and/or class instruction. It includes Engage activities and exit tickets that can be used as Readiness Support and Tier I Differentiation</p> |
|  <p><b>STAAR Catcher 5<sup>th</sup> Grade</b></p>   | <p><b>School Purchase:</b><br/> <a href="http://www.staarcatcher.com/wordpress/">http://www.staarcatcher.com/wordpress/</a><br/> <a href="http://www.dcrapids.com">www.dcrapids.com</a></p>   | <p><i>STAAR Catcher</i> Provides reading selections with short answer questions. Builds reading fluency and comprehension of academic vocabulary</p>  |
|  <p><b>Measuring Up! Science</b></p> <p>English and Spanish</p>   | <p><b>School Purchase:</b><br/>           One copy in both languages sent to every school fall 2015</p>   | <p><i>Measuring Up!</i> has flexible work-texts with guided reading and prompts to help students use writing to communicate science concepts.</p>   |