

#### Part 1: Oregon Science Baseline Criteria [K-HS]

Criterion	Metric	Examples in Text (MAXIMUM OF FIVE EXAMPLES PER METRIC; PROVIDED BY PUBLISHER)
Criterion 1.1: Alignment to Three-Dimensional (3D) Learning Alignment to Three- Dimensional (3D) Learning Materials reflect the 3D focus of the Oregon Science Standards to integrate the disciplinary core ideas (DCI), science and engineering practices (SEP), and crosscutting concepts (CCC) within and across grade levels and/or grade bands	1.1.1: 3D INTEGRATION Materials consistently and explicitly integrate all of the disciplinary core ideas, science and engineering practices, and crosscutting concepts that meet the full intent of grade-level and/or grade-band standards by the end of instruction.	As outlined in the submitted document titled "OR Sci. Adoption 2023 _Amplify Science K-5 Correlation,"Amplify Science meets 100% of the Oregon Science Standards for grades K-5. Each year is made up of units that progressively build students' abilities to meet all grade-level performance expectations through a three-dimensional instructional sequence. Amplify Science's real-world problems provide relevant, 21st-century contexts through which students will investigate different scientific phenomena and develop a deeper understanding of Disciplinary Core Ideas (DCIs), acquire more experience with Science and Engineering Practices (SEPs), and observe the interconnectedness of various science disciplines through the Cross-Cutting Concepts (CCCs). The Amplify Science curriculum developers at UC Berkeley's Lawrence Hall of Science crafted each unit, chapter, and lesson with the following questions in mind: What do we want students to figure out (what DCI or part of a DCI)?; How do we want them to figure it out (what scientific and engineering practice will they engage in to figure it out)?; and what crosscutting concept can scaffold students' understanding and connect it to other ideas about the natural world that they have learned? This resulted in a curriculum that incorporates a strategic, well balanced integration of the three dimensions. In order to help teachers recognize the three-dimensional structure of every unit, chapter, and lesson, each unit contains a "3-D Statement" resource. The 3-D Statements it contains are succinct descriptions of the learning experiences in which students engage, color coded by dimension for ease of recognition. This information is also made available to teachers at the individual lesson level, within the Standards section of the Lesson Brief. Unit-level examples: Grade 2, <i>Properties of Materials</i> unit, Unit Overview page, 3-D Statements (under Teacher References) Grade 2, <i>Properties of Materials</i> unit, Unit Overview page, 3-D Statements (under Teacher References) Grade 4, <i>Earth</i>



1.1.2: NATURE of SC Materials explicitly a science and the inter understandings with practices, disciplinar crosscutting concept	IENCE lign with the nature of rsection of those science and engineering y core ideas, and ts (NGSS: <u>Appendix H</u> ).	<ul> <li>Opportunities for students to develop understandings about the Nature of Science are embedded within all Amplify Science units. Students frequently engage in oral and/or written reflections on the nature and history of science as they work to figure out the unit's focal phenomena.</li> <li>Examples: <ul> <li>Grade K, Sunlight and Weather unit, Lesson 2.2, Activity 2 (Slides 15–21, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade 1, Spinning Earth unit, Lesson 4.2, Activities 2 and 4 (Slides 13–21 and 27–39, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade 2, Plant and Animal Relationships unit, Lesson 3.1, Activities 2 and 3 (Slides 9–35, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade 3, Weather and Climate unit, Lesson 1.3, Activity 2 (Slides 19–31, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade 4, Earth's Features unit, Lesson 3.3, Activity 2 (Slides 9–23, including Teacher Support notes linked on Activity 2 divider slide)</li> </ul> </li> </ul>
<b>1.1.3: TRANSDISCIPP</b> Materials include me connections across of opportunities for gre address relevant eng challenges (e.g. STEM language arts, health	LINARY CONNECTIONS eaningful lisciplines to create learning eater depth and complexity to gineering, scientific and societal A, mathematics, social science, h, career connected learning).	Amplify Science fosters a myriad of interdisciplinary connections throughout its units. First, by facilitating opportunities to practice actively reading texts, using scientific vocabulary, and writing evidence-based arguments, resources within Amplify Science support students in developing the disciplinary literacy skills necessary to read and write like scientists and engineers. Math connections are also embedded throughout each unit, with instructional suggestions for extensions appearing in activities that offer a particularly strong opportunity for further engagement with mathematics. In fact, the Teacher's Guide of every unit of Amplify Science contains a "Standards and Goals" document that outlines not only the Next Generation Science Standards that are addressed in that unit, but the Common Core Language Arts and Mathematics Standards, as well.
		Additionally, each unit has an "Opportunities for Unit Extensions" resource (located on the Program Hub) that includes suggestions for integrating art and design with science through connections to Science, Technology, Engineering, the Arts and Mathematic (STEAM). This resource also includes strategies for other cross-disciplinary extensions, such as assigning a research project that would enhance students' learning about the unit's central phenomenon while supporting their development of informational literacy.
		Finally, Amplify Science students are exposed to a wide variety of science and engineering careers in student books and activities throughout the program. In addition, in each unit of Amplify Science, students take on the role of a science or engineering professional to investigate a real-world problem, giving them a chance to see themselves in these roles.
		<ul> <li>Examples:</li> <li>Grade 1, Animal and Plant Defenses unit, Lesson 2.7, Activities 1, 3, and 4 (Slides 2–26 and 30–35, including Teacher Support notes linked on activity divider slides)</li> </ul>



		<ul> <li>Grade 2, <i>Plant and Animal Relationships</i> unit, <u>Lesson 1.4</u>, Activities 1–4 (Slides 1–49, including Teacher Support notes linked on activity divider slides)</li> <li>Grade 3, <i>Environments and Survival</i> unit, <u>Lesson 2.1</u>, Activities 1, 3, and 4 (Slides 2–8 and 16–34, including Teacher Support notes linked on Activity 1 divider slide)</li> <li>Grade 4, <i>Energy Conversions</i> unit, <u>Lesson 2.2</u>, Activities 2–4 (Slides 10–31, including Teacher Support notes linked on activity divider slide)</li> <li>Grade 5, <i>The Earth System</i> unit, <u>Lesson 2.8</u>, Activities 2 and 3 (Slides 8–34, including Teacher Support notes linked on Activity 2 divider slide)</li> </ul>
Criterion 1.2: Science Phenomena & Engineering Design-Based Engagement Science Phenomena & Engineering Design-Based Engagement Materials center science phenomena and engineering design problems that drive student learning and engage students as directly as possible in authentic and relevant experiences.	<ul> <li>1.2.1: CONCEPTUAL UNDERSTANDING</li> <li>Phenomena and/or problems: <ul> <li>target learning goals across the three dimensions;</li> <li>connect to grade-level and/or grade-band disciplinary core ideas;</li> <li>create shared student experiences as entry points to learning.</li> </ul> </li> </ul>	In each Amplify Science unit, students are asked to inhabit the role of a scientist or engineer in order to figure out scientific phenomena through a 21 <sup>st</sup> century, real-world problem context. Over the course of the unit, students collect and make sense of evidence from multiple sources and through a variety of modallites, ensuring that they have multiple vehicles through which to develop and articulate their understanding of each phenomenon. As the class progresses through their lessons, students move back and forth from firsthand investigation to secondhand analysis and synthesis, formulating an increasingly complex explanation to help them solve the problem at hand. Each unit also provides students with opportunities to apply what they have learned to solve new problems and/or newly-learned practices in different contexts. This enables students to demonstrate deep understanding of phenomena and practices. In addition to figuring out and explaining phenomena, each year of Amplify Science K–5 has a unit that is focused on engineering design in which students apply science ideas in order to design functional solutions to real-world problems, and iteratively test those solutions to determine how well they meet specific criteria. Students develop their understanding of science ideas from firsthand investigation and text, and apply them in designing a solution to an engineering problem. They then evaluate their solutions to see how well they meet a set of criteria for quality. Unit-level examples: <ul> <li>Grade K, <i>Sunlight and Weather</i> unit, <u>Unit Overview page</u>, <b>Unit Overview, Coherence Flowcharts</b> (under Printable Resources), and <b>Standards and Goals</b> (under Teacher References)</li> <li>Grade 4, <i>Earth's Features</i> unit, <u>Unit Overview page</u>, <b>Unit Overview, Coherence Flowcharts</b> (under Printable Resources), and <b>Standards and Goals</b> (under Teacher References)</li> <li>Grade 4, <i>Earth's Features</i> unit, <u>Unit Overview page</u>, <b>Unit Overview, Coherence Flowcharts</b> (under Printable Resources), and <b>Standards and</b></li></ul>



<ul> <li><b>1.2.2: SENSE-MAKING/PROBLEM SOLVING</b></li> <li>Materials center opportunities for students to: <ul> <li>communicate their thinking through reflection and explanation;</li> <li>apply scientific understandings to make sense of phenomena and design solutions to problems.</li> </ul> </li> </ul>	<ul> <li>Amplify Science presents students with multiple modalities to both figure out the unit's scientific phenomena and articulate their understanding. For example:</li> <li>Talking: Student-to-student discourse is a key indicator of a productive learning environment, and talking is a key modality for instruction in an Amplify Science class. This is more than just partner activities or group work. Students have numerous opportunities for structured student-to-student discourse, with low-stakes and high-stakes opportunities to share ideas, use newly acquired vocabulary, and craft oral scientific explanations and arguments.</li> <li>Writing: Students in Amplify Science have frequent opportunities for both low- and high-stakes writing in order to help them reflect on and make sense of what they are learning. From shared writing, to numerous formative assessment opportunities, to end-of-unit summative assessment writing assignments, students are learning how to express their scientific arguments in writing using evidence, vocabulary, and proper structure.</li> <li>Modeling: Digital and paper "modeling tools" empower students to create, and later revise, visualizations of their understandings of key scientific phenomena at critical points in the curriculum.</li> <li>In addition, each unit provides students with explicit opportunities to apply what they have learned to solve new problems and/or use newly-learned practices in different real-world contexts.</li> <li>Examples:</li> <li>Grade K, <i>Needs of Plants and Animals</i> unit, Lesson 2.7, Overview, Digital Resources and Lesson Slides</li> <li>Grade K, <i>Maves, Energy, and Information</i> unit, Lesson 1.4, Overview and Lesson Slides</li> <li>Grade 4, <i>Waves, Energy, and Information</i> unit, Lesson 2.3, Overview and Lesson Slides</li> <li>Grade 5, <i>Patterns of Earth and Sky</i> unit, Lesson 2.3, Overview and Lesson Slides</li> </ul>
<ul> <li><b>1.2.3: AUTHENTIC APPLICATION</b></li> <li>Materials include meaningful contexts for students to practice key skills and build important concepts by: <ul> <li>making connections to their daily lives, including to their homes, neighborhoods, and communities;</li> <li>build upon students' cultural funds of knowledge.</li> </ul> </li> </ul>	<ul> <li>The lessons within Amplify Science include numerous opportunities to elicit and build upon students' personal experiences and family and community funds of knowledge. Each unit includes a document that provides additional strategies and tools to augment these opportunities. This document is titled <i>Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds</i> and is located within Printable Resources on the Unit Overview page, as well as in the Digital Resources area of many lessons.</li> <li>Unit-level examples: <ul> <li>Grade K, <i>Pushes and Pulls</i> unit, <u>Unit Overview page</u>, Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Grade 1, <i>Animal and Plant Defenses</i> unit, <u>Unit Overview page</u>, Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Grade 3, <i>Environments and Survival</i> unit, <u>Unit Overview page</u>, Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Grade 3, <i>Environments and Survival</i> unit, <u>Unit Overview page</u>, Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Grade 5, <i>Modeling Matter</i> unit, <u>Unit Overview page</u>, Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Grade 5, <i>Modeling Matter</i> unit, <u>Unit Overview page</u>, Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Esson-level examples:</li> </ul></li></ul>



		<ul> <li>Grade 2, Properties of Materials unit, <u>Lesson 1.2</u>, Overview and Lesson Slides (including Teacher Support notes linked on activity divider slides)</li> </ul>
Criterion 1.3: Learning Progressions & Coherent Storylines Materials integrate conceptual understanding linked to empirical evidence and explanations that allow students' understanding to deepen and become more complex over time across the three dimensions (NGSS: Appendix E, Appendix F and Appendix G).	<ul> <li>1.3.1: COHERENT STORYLINES</li> <li>Materials explicitly identify: <ul> <li>how grade-appropriate 3D learning builds within a lesson or unit;</li> <li>how learning builds across grade levels, grade bands,</li> <li>and/or within a high school course(s).</li> </ul> </li> </ul>	Amplify Science was designed with an emphasis on coherence. In creating the program, the curriculum development team at the Lawrence Hall of Science did not treat each performance expectation (PE) separately as a box to be checked. Rather, developers bundled groups of related PEs together, then crafted instructional units that would allow students to explore these standards meaningfully and coherently through investigation of each unit's real world problem and overarching scientific phenomenon. To accomplish this, developers analyzed each PE, along with its constituent dimensions, enabling them to fully understand the intent of the standard. Developers then analyzed across PEs and their dimensions to consider how ideas could be put to work to explain phenomena in the natural world. Developers then bundled the PEs into meaningful groups for instructional units, each of which supports students in making a deep causal explanation of a phenomenon. Finally, developers created unit Progress Builds based on that target explanation, and organized the units around those Progress Builds. Progress Builds are explicitly designed cognitive models for a given unit that express how students will develop their knowledge and competence in the domain. An explanatory understanding of phenomena (rather than mere description or isolated facts) forms the basis for the levels of a PB. Each PB level characterizes an increasingly complex causal explanation of the unit's phenomenon. Each level also builds upon the knowledge and skills from lower levels toward a more complete, mechanistic understanding of the phenomena they are investigating (and the targeted Disciplinary Core Ideas) in a structured and considered way. The Progress Build for each unit is detailed in the Progress Build resource available within the Unit Guide. Also included in every unit is a Standards and Goals resource, which clearly outlines how that particular unit fits into the Amplify Science program as whole. This makes it easy for teachers to see how their student



<b>1.3.2: DEVELOPMENTAL PROGRESSION</b> Materials include multiple opportunities for students to build and apply knowledge and skills over time (i.e. lessons, units, grade level and/or grade bands) within the disciplinary core ideas, science and engineering practices, and the crosscutting concepts.	<ul> <li>As described in metric 1.3.1 above, Amplify Science students engage in coherent learning experiences within and across lessons, units, grades, and grade bands. Across the K–5 grade span, units are designed to support increasingly complex reasoning about disciplinary core ideas, as well as to address all science and engineering practices and crosscutting concepts with increased sophistication.</li> <li>Examples:         <ul> <li>Developing DCI understanding across lessons within a unit: The Coherence Flowcharts (found in Printable Resources) for the grade 1 unit Animal and Plant Defenses demonstrates how students' understanding of the DCI Heredity: Inheritance and Variation of Traits increases in complexity throughout the unit. It also shows the lessons in which students engage with each of the seven SEPs, and how their facility with using the CCCs of Patterns and Cause and Effect develops across their learning experiences.</li> <li>Developing CCC understanding across grade 3 units: In the grade 3 unit Bidancing Forces, students begin to identify Patterns in the relationship between the forces on an object and the object's movement. In the Inheritance and Traits unit, students extend their thinking about patterns as they analyze data to identify patterns that provide evidence of inheritance and variation in the traits of organisms. Finally, students apply and deepen their understanding of patterns in the Wather and Climate unit as they collect, analyze, and interpret weather data, to reveal differences in the climates of different regions and predict future weather.</li> <li>Developing DCI knowledge across grades: In the kindergarten unit Sunidarts build on the sciences instruction and flows, sow, or rain. In the grade 2 unit Changing Landforms, students build on the Concepts introduced in grade 2 as they investigate how a canyon became so deep. Finally, in the grade 5 unit The Earth System, students expand on their understanding of the role of water on Earth'</li></ul></li></ul>
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<b>1.3.3: STUDENT AGENCY</b> Materials include opportunities for student-driven learning sequences through questions and discourse that center students' lived experiences as they relate to the phenomenon and/or problem.	Students' ideas and experiences are valued and validated throughout the multimodal learning experiences that comprise Amplify Science lessons. Jigsaw activities, for example, allow students to become experts on one part of the content and to be exposed to the full range of content included in the activity. This helps motivate students to be responsible for sharing their information accurately, and allows them to practice this role in order to gain confidence in understanding and communicating science ideas. Reading activities, meanwhile, are often followed by a student-to-student discussion where students share their insights and questions with each other and with the whole class. Through talking and developing a collaborative environment, students feel comfortable asking questions of each other, challenging assumptions, and learning from each other.
	Amplify Science units include a number of other opportunities to elicit and build upon students' personal experiences and to invite their questions in order to drive learning forward, as well. The <i>Eliciting and Leveraging Students' Prior</i> <i>Knowledge, Personal Experiences, and Cultural Backgrounds</i> document that is available in each unit provides teachers with strategies for eliciting and building upon students' funds of knowledge using two tools called the <i>Using Our</i> <i>Experiences Chart</i> and the <i>What We Think We Know</i> chart. Through these two charts, teachers collect student ideas and questions throughout the unit and invite students to reflect upon how their thinking has changed, identify questions that their investigations have answered, and ask new questions based on their evolving understanding of the unit phenomenon.
	<ul> <li>Unit-level examples:</li> <li>Grade 1, Light and Sound unit, Unit Overview page, Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Grade 5, The Earth System unit, Unit Overview page, Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> </ul>
	<ul> <li>Lesson-level examples:</li> <li>Grade K, Needs of Plants and Animals unit, Lesson 4.3, Overview and Lesson Slides</li> <li>Grade 2, Properties of Materials unit, Lesson 4.2, Overview and Lesson Slides</li> <li>Grade 4, Vision and Light unit, Lesson 5.1, Overview and Lesson Slides</li> </ul>



Criterion 2.1: Engagement & Motivation2.1.1: RELEVANCEEvery unit of Amplify Science has students inhabiting the role of a scientist or engineer in order to investigate a real-world problems provide relevant, developmentally appropriate contexts through which students give opportunities for student-driven learning, and rigor is maintained and rigor is maintained across all options.2.1.1: RELEVANCEEvery unit of Amplify Science has students inhabiting the role of a scientist or engineer in order to investigate a real-world problems provide relevant, developmentally appropriate contexts through which students will investigate different scientific phenomena. Contexts like playground weather conditions, puppet show world. Teachers are supported in further emphasizing relevance to students through the strategies outlined in the <i>Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds</i> document included in each unit. By situating science instruction within realistic contexts and with explicit connections to their lives, the program empowers students to believe in their own ability to affect change using science.	Criterion	Description	Examples in Text (MAXIMUM OF FIVE EXAMPLES PER METRIC; PROVIDED BY PUBLISHER)
<ul> <li>relevant topics, authentic contexts, and experiences, and give students the opportunity to make connections with their goals, interests, and values.</li> <li>Unit-level examples:</li> <li>Grade 4, <i>Energy Conversions</i> unit, <u>Unit Overview page</u>, Unit Overview and Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Grade 4, <i>Energy Conversions</i> unit, <u>Unit Overview page</u>, Unit Overview and Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Grade K, <i>Sunlight and Weather</i> unit, <u>Lesson 1.3</u>, Activity 4 (Slides 24–38, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade S, <i>The Earth System</i> unit, <u>Lesson 1.1</u>, Activity 2 (Slides 15–23, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade S, <i>The Earth System</i> unit, <u>Lesson 1.2</u>, Activities 1–3 (Slides 2–28, including Teacher Support notes linked on activity divider slides)</li> </ul>	Criterion 2.1: Engagement & Motivation Materials give opportunities for student-driven learning, and rigor is maintained across all options. Materials should focus on relevant topics, authentic contexts, and experiences, and give students the opportunity to make connections with their goals, interests, and values.	2.1.1: RELEVANCE Materials include relevant topics of student interest and strategic access to authentic contexts and tools that give students the freedom to make connections to their experiences, goals, and interests. Additionally, materials support the value of science as a sensible, useful, and worthwhile subject.	<ul> <li>Every unit of Amplify Science has students inhabiting the role of a scientist or engineer in order to investigate a real-world problem. These real-world problems provide relevant, developmentally appropriate contexts through which students will investigate different scientific phenomena. Contexts like playground weather conditions, puppet show scenes, and food science resonate with students, sparking their interest and making science applicable to their own world. Teachers are supported in further emphasizing relevance to students through the strategies outlined in the Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds document included in each unit. By situating science instruction within realistic contexts and with explicit connections to their lives, the program empowers students to believe in their own ability to affect change using science.</li> <li>Unit-level examples: <ul> <li>Grade 2, Properties of Materials unit, Unit Overview page, Unit Overview and Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Grade 4, Energy Conversions unit, Unit Overview page, Unit Overview and Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> </ul> </li> <li>Every Conversions unit, Unit Overview page, Unit Overview and Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Lesson-level examples: <ul> <li>Grade 4, Sunlight and Weather unit, Lesson 1.3, Activity 4 (Slides 24–38, including Teacher Support notes linked on Activity 4 divider slide)</li> <li>Grade 1, Spinning Earth unit, Lesson 1.1, Activity 2 (Slides 15–23, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade 5, The Earth System unit, Lesson 1.2, Activities 1–3 (Slides 2–28, including Teacher Support notes linked on activity divider s</li></ul></li></ul>

#### Part 2: Equitable Student Engagement and Cultural Pedagogy Criteria [K-HS]



		<ul> <li>Examples:</li> <li>Grade K, Needs of Plants and Animals unit, Lesson 1.2, Activities 1–4 (Slides 2–25, including Teacher Support notes linked on activity divider slides)</li> <li>Grade 2, Plant and Animal Relationships unit, Lesson 2.2, Activities 2–4 (Slides 8–45, including Teacher Support notes linked on activity divider slides)</li> <li>Grade 3, Inheritance and Traits unit, Lesson 2.6, Activities 1–3 (Slides 2–33)</li> <li>Grade 4, Earth's Features unit, Lesson 1.6, Activities 1–3 (Slides 2–44)</li> <li>Grade 5, Modeling Matter unit, Lesson 3.4, Activities 1–4 (Slides 2–36)</li> </ul>
2.: Mi su gra aru gra	<b>.1.3: INDIVIDUAL STUDENT ADAPTABILITY</b> Materials include instructional strategies for upporting unfinished learning from prior rade levels and extensions for students who re ready to deepen their understanding of rade-level content.	Amplify Science materials help teachers gauge students' level of understanding before beginning each unit. A formative Pre-unit assessment designed to invite students' initial ideas about the unit phenomenon kicks off each unit and is accompanied by an Assessment Guide to support review and interpretation of responses. The Assessment Guide describes key aspects of students' responses that could provide resources or challenges for learning later in the unit. This includes relevant experiences that students might have had, foundational ideas to build on, and common preconceptions that have been identified in the research literature and should be transformed or repurposed. Also providing information about preconceptions students may have coming into a unit are the Progress Build and Science Background documents. Reviewing the information on preconceptions can help teachers identify what to look for before and while students engage in the unit in order to help them be successful with the content. Necessary prerequisite knowledge, meanwhile, is clearly outlined within the Standards and Goals document. Teachers can use this information as a guide for catching students up if there is relevant unfinished learning from prior years. Because of the multimodal nature of the program, however, students will have multiple points of entry into the unit's content and pre-teaching is usually unnecessary. To help meet students where they are at during instruction, many differentiation supports are included. For instance, "A" and "B" versions of End-of-Unit Assessments are provided so that the teacher can select the appropriate amount of scaffolding for the student. Sentence starters and other embedded supports are also thoughtfully incorporated (see metric 3.2.3). Finally, a Differentiation Brief outlining specific suggestions for supporting students who need more challenge, students who need more support, and other populations is included in every lesson in the program. Read more about the Differentiation Brief in metric 3.2.1.



		<ul> <li>Standards and Goals (under Teacher References)</li> <li>Grade 4, Energy Conversions unit, Unit Overview page, Science Background (under Planning for the Unit) and Standards and Goals (under Teacher References)</li> <li>Lesson-level examples: <ul> <li>Grade K, Pushes and Pulls unit, Lesson 3.3, Differentiation and Digital Resources</li> <li>Grade 2, Plant and Animal Relationships unit, Lesson 1.6, Differentiation</li> <li>Grade 5, Ecosystem Restoration unit, Lesson 3.7, Differentiation and Digital Resources</li> </ul> </li> </ul>
Criterion 2.2: Culturally Responsive Instructional Support Culturally responsive instruction refers to the explicit recognition and incorporation of students' cultural knowledge, experience, and ways of being and knowing in science teaching, learning, and assessment.	2.2.1: ASSET-BASED PERSPECTIVE Materials support educators to identify, value, and maintain a high commitment to students' experiences from their homes and communities that are leveraged as resources for science teaching and learning.	<ul> <li>Amplify Science units include numerous opportunities to elicit and build upon students' personal experiences and family and community funds of knowledge. Phenomena, design problems, and student book topics have been chosen to include subjects relevant to students' interests and concerns and to encourage students to make connections to their own experiences, goals, and interests. In the routine that accompanies the <i>Our Experiences</i> and <i>What We Think We Know</i> charts, students are invited through a series of discussion prompts to share their ideas and personal, home, and community experiences related to the unit phenomenon or problem that they will be seeking to explain or solve. The <i>Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds</i> document, which is included in every unit, provides additional strategies and tools to augment these opportunities.</li> <li>In addition to the guidance on eliciting and leveraging student experiences, Amplify Science provides teachers with information on supporting their English learners in leveraging their home language as resources for science teaching and learning. By virtue of knowing more than one language, English learners are equipped with linguistic resources. They know that language can be used to describe, argue, explain, and persuade — and these are similar to the linguistic tools necessary for understanding science concepts and engaging in science practices antious about their language abilities. The curriculum focuses on the transferable skills that English learners already possess in order to support their science language development. Related to this is the use of students' native language helps English learners to transfer language belps English learners to transfer language skills from their home language to English.</li> <li>Unit-level examples:         <ul> <li>Grade K, <i>Needs of Plants and Animals</i> unit, <u>Unit Overview page</u>, <u>Unit Overview and Eliciting and Leveraging Students' P</u></li></ul></li></ul>



	• Grade 4, <i>Earth's Features</i> unit, <u>Lesson 1.2</u> , <b>Differentiation</b>
<b>2.2.2: FRAMES OF REFERENCE</b> Materials utilize multiple frames of reference for developing and demonstrating science competence that correspond to a variety of cultural perspectives and experiences.	Throughout the Amplify Science program, students encounter ethnically diverse people in Amplify Science's books, media, and other learning materials, and are inspired by scientists and engineers from a variety of ethnic and cultural backgrounds who represent diversity with respect to gender and disability. The variety of cultural perspectives and experiences presented gives students multiple frames of reference for developing their understanding of the science ideas with which they are engaging.
and experiences.	<ul> <li>Ideas with which they are engaging.</li> <li>Additionally, Amplify Science is rooted in the research-based Do, Talk, Read, Write, Visualize model of learning, meaning students engage with science and engineering practices, figure out disciplinary core ideas, and utilize and apply crosscutting concepts in multiple modalities across thoughtful, structured lessons. In every unit, students will regularly be: collecting firsthand evidence through hands-on investigations, observations of video clips, and/or the use of a digital simulation (Do); participating in student-to-student discussions (Talk); actively reading engaging science texts (Read); writing scientific arguments and explanations (Write); and visualizing scientific phenomena in ways never before possible (Visualize). By offering students different ways of acquiring knowledge and experience, multiple means of expressing their understanding, and a variety of resources through which to engage with the content, the program promotes educational equity.</li> <li>Examples: <ul> <li>Grade K, <i>Sunlight and Weather</i> unit, Lesson 2.2, Activity 2 (Slides 15–21, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade 1, Program &amp; Apps menu, Library, <i>Space Explorers</i></li> <li>Grade 2, <i>Properties of Materials</i> unit, Lesson 1.5, Differentiation and Lesson Slides</li> <li>Grade 3, <i>Inheritance and Traits</i> unit, Lesson 1.4, Activity 2 (Slides 8–16, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade 5, Program &amp; Apps menu, Library, <i>Who Thinks About Scale</i>?</li> </ul> </li> </ul>



<b>2.2.3: INCLUSIVE CULTURAL VIEWS</b> Materials include pathways to science competence that leverage cultural perspectives that affirm student identities and reflect knowledge of students' background experiences and social realities.	Culturally and Linguistically responsive teaching (CLRT) is one of two overarching frameworks that informed the development of Amplify Science. The program's engaging projects, hands-on and interactive experiences, collaborative learning experiences, and frequent student-to-student discussions provide opportunities for all voices to be included. Students are also encouraged to express themselves using the language in which they are most comfortable as they engage in these experiences, while also adding science disciplinary language to their language repertoires. This is validating for students and promotes extended science talk.
	<ul> <li>Because of diverse cultural and linguistic backgrounds, informational background knowledge of students can vary greatly. The activation and use of background knowledge is integral to students' development of science ideas, and supporting students in using what they already know helps them make connections to what they are learning. Therefore, in the Amplify Science curriculum, students are asked to think through and discuss what they already know at strategic points within the instruction through activities such as:</li> <li>Partner discourse routines: Throughout the program, students often discuss ideas with a partner. Often, these discussions are designed to allow students to share their initial ideas about a topic, practice using science vocabulary, and discuss experiences they have had related to a topic or idea.</li> <li>Daily Written Reflections: The Daily Written Reflection that can begin each session often allows students to reflect on what they already know or have just learned in order to prepare them for what they will learn in the coming session, and is designed to be accessible for all students.</li> <li>Anticipation guides: With an anticipation guide, students learn how to activate their background knowledge, focus their reading, and support statements with textual evidence. An anticipation guide may help English learners engage with and reflect on key ideas before, during, and after reading.</li> <li>Our Experience and What We Think We Know chart routines: Students are invited through a series of discussion prompts to share their ideas and experiences related to the unit phenomenon or problem that they will be seeking to explain or solve. The teacher documents their thinking on the Our Experiences and What We Think We Know charts, which are posted on the classroom wall. These charts are revisited throughout the unit for the purpose of leveraging these funds of knowledge.</li> </ul>
	<ul> <li>Unit-level examples:</li> <li>Grade K, Sunlight and Weather unit, Unit Overview page, Unit Overview and Eliciting and Leveraging Students' Prior Knowledge, Personal Experiences, and Cultural Backgrounds (under Printable Resources)</li> <li>Lesson-level Examples:</li> <li>Grade 2, Properties of Materials unit, Lesson 1.3, Activity 2 (Slides 12–20, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade 3, Balancing Forces unit, Lesson 1.2, Differentiation</li> <li>Grade 4, Vision and Light unit, Lesson 2.1, Vision and Light Investigation Notebook, pages 20–23 under Digital Resources), Differentiation, and Activity 1 (Slides, including Teacher Support notes linked on Activity 1 divider slide)</li> <li>Grade 5, Ecosystem Restoration unit, Lesson 1.7, Differentiation and Activity 1 (Slides 2–8 including Teacher</li> </ul>
	Support notes on Activity 1 divider slide)



#### Part 3: Technical Usability Criteria [K-HS]

Criterion	Description	Metric 1
Criterion 3.1: Supports for Teachers The materials include opportunities for teachers to effectively plan and utilize materials with integrity and to further develop their own understanding of the content.	<b>3.1.1: SUPPORTING GUIDANCE</b> Materials provide teacher guidance with useful annotations and suggestions for how to utilize the student materials, visual models, and ancillary materials, with specific attention to engaging students to guide their scientific development.	<ul> <li>Every unit of Amplify Science has a robust Teacher's Guide containing all of the unit's lesson plans, differentiation strategies, and a vast assortment of instructional supports and resources at the unit, lesson, and activity level. In addition to employing a unit-long, phenomena-based storyline to drive focused instruction, the Teacher's Guide includes a wealth of resources through which Amplify Science teachers can develop and extend their knowledge and effectively guide students through their scientific development, including:</li> <li>Unit-level documentation: Every unit contains a suite of documents that provides teachers support in understanding not only how the unit will unfurl, but why it does so in the way it does. These documents include an overview of the unit's guiding questions, lesson summaries, instructions on using the digital apps, science background information, an overview of the assessments in the unit, a list of materials found in the unit's kit, clear definitions of the learning progressions, and more.</li> <li>Clear lesson instructions: Every lesson has quick summaries, clear step-by-step instructions, slides, model language to use in class, answer keys with sample student responses, recommendations for classroom set up, rubrics for scoring written assessments, and a listing of standards covered.</li> <li>Embedded teacher supports: Each lesson comes with clear strategies to scaffold the lesson for different populations of students, including those needing additional challenge, those needing extra support, and English Learners. Additionally, individual activities often have "Teacher Support" notes, which provide classroom management tips, background information, supports for three-dimensional instruction, and more.</li> <li>Program Hub: An additional space for teachers to find programmatic information such as remote learning supports, pedagogical insights, and on-demand training videos, is available at any time.</li> <li>Help Desk: Available live by phone, email, or online chat, t</li></ul>
		<ul> <li>Grade 3, <i>Balancing Forces</i> unit, <u>Unit Overview page</u>, Printable Resources, Planning for the Unit, and Teacher References</li> <li>Grade 4, <i>Energy Conversions</i> unit, <u>Unit Overview page</u>, Printable Resources, Planning for the Unit, and Teacher References</li> </ul>
		<ul> <li>Lesson-level examples:         <ul> <li>Grade K, Pushes and Pulls unit, Lesson 3.2, Overview, Materials &amp; Preparation, Differentiation, Standards, and Digital Resources</li> <li>Grade 5, Ecosystem Restoration unit, Lesson 2.7, Lesson Slides (including Teacher Support notes linked on activity divider slides)</li> </ul> </li> </ul>



<b>3.1.2: SCIENCE KNOWLEDGE FOR TEACHING</b> Materials contain adult-level explanations and examples of relevant science concepts so that teachers can improve their own knowledge of the subject.	<ul> <li>One of the resources included in the robust suite of teacher resources described in metric 3.1.1 above is the Science Background. This teacher-facing document gives valuable science background about the disciplinary core ideas, science and engineering practices, and crosscutting concepts addressed in the unit. It also describes the rationale for the selection and organization of particular concepts within the unit, and a discussion of alternate conceptions students may hold about these concepts.</li> <li>Examples: <ul> <li>Grade K, <i>Needs of Plants and Animals</i> unit, <u>Unit Overview page</u>, Science Background (under Planning for the Unit)</li> <li>Grade 1, <i>Spinning Earth</i> unit, <u>Unit Overview page</u>, Science Background (under Planning for the Unit)</li> <li>Grade 2, <i>Properties of Materials</i> unit, <u>Unit Overview page</u>, Science Background (under Planning for the Unit)</li> <li>Grade 3, <i>Inheritance and Traits</i> unit, <u>Unit Overview page</u>, Science Background (under Planning for the Unit)</li> <li>Grade 4, <i>Waves, Energy, and Information</i> unit, <u>Unit Overview page</u>, Science Background (under Planning for the Unit)</li> <li>Market 4, <i>Waves, Energy, and Information</i> unit, <u>Unit Overview page</u>, Science Background (under Planning for the Unit)</li> </ul> </li> </ul>
<b>3.1.3: HOME CONNECTION</b> Materials provide strategies for informing all partners–including students, parents, or caregivers– about the program and suggestions for how they can help support student progress and achievement.	<ul> <li>Amplify Science provides resources that make it possible for parents and guardians to be engaged with their students' STEM education. For instance: <ul> <li>Every unit of Amplify Science includes a downloadable letter titled, "Information About the NGSS for Parents and Guardians."</li> <li>Every unit also includes optional "Family Homework Experiences" and "Home Connections" copymasters. These activities can encourage interaction and discussion between students and their families around science concepts, which has been found to be beneficial for student learning.</li> <li>The Amplify Science Program Hub, which is available to all teachers from within the curriculum website, provides resources that teachers can use for the purpose of continuing instruction and supporting families during remote learning.</li> <li>A Caregiver Hub website provides overall information about what Amplify Science is and how their students will be engaging in science. It also provides a slide deck for use at back-to-school night, as well as unit-specific family discussion questions that can be used with students.</li> </ul> </li> <li>Program-level examples: <ul> <li>Grade 5, <i>Patterns of Earth and Sky</i> unit, <u>Unit Overview page</u>, NGSS Information for Parents and Guardians (under Printable Resources)</li> </ul> </li> <li>Lesson-level examples: <ul> <li>Grade 5, <i>Needs of Plants and Animals</i> unit, <u>Lesson 1.1</u>, Needs of Plants and Animals Family Connections Letter (under Digital Resources)</li> </ul> </li> </ul>



	<ul> <li>Grade 3, Environments and Survival unit, Lesson 1.3, Optional: Chapter 1 Home Investigation: Observing Organisms (under Digital Resources)</li> </ul>
<b>3.1.4: CONTENT EDITABILITY</b> Materials are designed to allow a teacher to differentiate content and varied modes of communication within lessons, tasks, or other activities for students.	All Amplify Science lessons are broken into activities with suggested pacing and time allotments, equipping teachers with the information they need to gauge how to break up or extend a lesson, if necessary, so it can fit within the requisite time frame. This flexibility also helps with differentiating content appropriately, particularly when combined with the fact that all of the slides used to implement each activity in a lesson are customizable using the MyAmplify browser add-on.
	Teachers will find opportunities for insight into student progress and guidance for identifying potential follow up or differentiation needs throughout Amplify Science. For instance, the work review features within the teacher platform enable teachers to watch their students' thinking unfold in real time as they navigate digital tools and complete interactive notebook pages. By selecting "View Work" and scanning students' responses, teachers can quickly identify gaps in understanding. They can also select Present to anonymously share a student's work for modeling purposes or to prompt rich discussion. There are also frequent embedded formative assessments that occur throughout the program to check for understanding, with interpretation guidance included. For example, each Amplify Science unit features several prominent Critical Juncture Assessments. Usually occurring at the end of each chapter, the Critical Junctures help teachers to ensure all students are at the necessary Progress Build (or learning progression) level before moving on to the next lessons of the unit. Based on student performance on the assessment, teachers have access to recommendations for targeted student interventions, suggested follow ups, or differentiated classroom instruction. For more on differentiating Amplify Science instruction to ensure that all learners are appropriately challenged and can be successful with the content demands of science, see metrics 3.2.1 and 3.2.3. Information on the various modes in which students may engage with lesson content can be found in metric 3.2.4.
	Program-level examples: <ul> <li><u>Slides Editing Help Article</u></li> <li><u>View Work information in Digital Experience Help Article</u></li> </ul>
	<ul> <li>Lesson-level examples:</li> <li>Grade 1, Animal and Plant Defenses unit, Lesson 1.5, Overview and Activity 1 Critical Juncture (see notes on slide 18)</li> <li>Grade 2, Changing Landforms unit, Lesson 1.6, Overview and Activity 3 Critical Juncture (see notes on slide 25)</li> <li>Grade 4, Energy Conversions unit, Lesson 2.3, Overview and Activity 1 Critical Juncture (see notes on slide 4)</li> </ul>



Criterion 3.2: Supports for Students Materials have explicit teacher support with suggestions (routines,	<b>3.2.1: STRATEGIES FOR SPECIAL POPULATIONS</b> Materials provide scaffolds to support students from special populations in their regular and active participation in scientific learning (i.e. students who are multilingual, students experiencing disabilities, and/or students identified as TAG).	Following the principles of Universal Design for Learning (one of two overarching frameworks that informed the development of the program), Amplify Science units and lessons are designed to be universal and flexible in allowing: choices; different paths toward goals; and multiple means of engagement, representation, assessment, and action and expression, so that all students have an opportunity to learn during lessons, and to be successful with lesson and unit goals.
strategies, etc.) for how they can meet the needs of individual learners. Support materials include live updates (data sources, current events, etc.).		<ul> <li>Metric 3.2.3 describes the many embedded scaffolds that were deliberately incorporated into the Amplify Science curriculum. In addition, every lesson of the program includes a Differentiation Brief that gives teachers specific suggestions on making that particular lesson maximally impactful for their own students. The Differentiation Brief describes what is built into the lesson to support diverse learning needs; highlights potential challenges teachers should be aware of; and provides specific strategies for differentiating instruction. The Differentiation Brief contains the following sections:</li> <li>Embedded Supports for Diverse Learners: Every unit is designed with diverse learners in mind, with the goal of providing rigorous yet accessible science instruction. Each lesson is intentionally planned to provide multiple entry points for students, and to enable all students to be successful with all of the activities. This section of the Differentiation Brief highlights the scaffolds already embedded within the lesson so that teachers can take advantage of the power of these carefully designed activities.</li> <li>Potential Challenges in This Lesson: This section of the Differentiation Brief highlights aspects of the lesson that may present particular cognitive, linguistic, or social challenges for students.</li> <li>Specific differentiation strategies for English Learners (ELs): This section of the Differentiation Brief points out activities that could pose linguistic challenges for ELs or reduce their access to science content, and suggests supports and modifications accordingly. Suggestions include linguistic supports to bolster students' understanding of science content, supports for engaging with science texts, ideas for helping students participate in discussions, multiple ways students who aree support: Every lesson includes ways for teachers to support those students who are struggling or who have special needs. These additional scaffolds are to be used entirely at the discret</li></ul>
		<ul> <li>Examples:</li> <li>Grade K, Needs of Plants and Animals unit, Lesson 1.6, Differentiation and Lesson Slides</li> <li>Grade 1, Animal and Plant Defenses unit, Lesson 1.5, Differentiation and Lesson Slides</li> <li>Grade 2, Changing Landforms unit, Lesson 1.4, Differentiation and Lesson Slides</li> <li>Grade 3, Balancing Forces unit, Lesson 3.4, Differentiation and Lesson Slides</li> <li>Grade 4, Energy Conversions unit, Lesson 2.2, Differentiation and Lesson Slides</li> </ul>



<b>3.2.2: STUDENT DIFFERENTIATION</b> Materials provide extensions and/or opportunities for all students to engage with grade-level science at varied levels of complexity.	<ul> <li>Amplify Science units are designed to be appropriately challenging for most students most of the time. As described in metric 3.2.1 above, in-context differentiation suggestions are included in every lesson. One section of the Differentiation Brief is always devoted to providing strategies for differentiating content for students who need more support.</li> <li>Meaningful strategies for engaging students who need more challenge are also a part of the Differentiation Brief when appropriate. In addition, each unit of Amplify Science has a document titled, "Opportunities for Unit Extensions." Within this document, which is housed in the Amplify Science Program Hub, teachers will find unt-specific suggestions for things like implementing relevant field trips, offering research projects, and integrating art and design with science through connections to Science, Technology, Engineering, the Arts and Mathematic (STEAM) in order to extend the unit's learning opportunities.</li> <li>Unit-level examples:         <ul> <li>Programs &amp; Apps menu, Science Program Hub, Additional Unit Materials, Grade 4, Vision and Light, "Unit Extensions" tab, VAL: Opportunities for Unit Extensions</li> </ul> </li> <li>Lesson-level examples:         <ul> <li>Grade K, Pushes and Pulls unit, Lesson 2.3, Differentiation</li> <li>Grade 2, Properties of Materials unit, Lesson 2.2, Differentiation</li> <li>Grade 3, Balancing Forces unit, Lesson 1.8, Differentiation</li> <li>Grade 5, Modeling Matter unit, Lesson 1.8, Differentiation</li> <li>Grade 5, Modeling Matter unit, Lesson 1.8, Differentiation and Evaluating Chromatography Models in More Depth (More Challenge) copymaster (under Digital Resources)</li> </ul></li></ul>
<b>3.2.3: EMERGENT BILINGUAL STUDENT SUPPORT</b> Materials provide strategies and support for students who read, write, and/or speak in a language other than English to enable their full participation in scientific learning.	<ul> <li>In addition to lesson-specific differentiation strategies (see metric 3.2.1), language support for English learners is included throughout the program in two fundamental ways: <ol> <li>Embedded instructional design: Many scaffolds such as gradual release, graphic organizers, argumentation instruction, language practice, and creating and using models, are embedded within the instructional plan and are presented to teachers through the teacher materials and to all students as activities within the unit.</li> <li>Additional support: Additional activities and specific methods for supporting English learners are provided for use as needed, especially in the Teacher Support notes within the lessons. Additional supports include but are not limited to word banks, use of multiple-meaning words, leveraging students' native languages, and cognates.</li> </ol> </li> <li>To further accommodate English learners who may be native Spanish speakers, Spanish materials that mirror their English counterparts in both content and quality are also available.</li> <li>First, a Teacher Spanish license gives teachers access to a button that enables them to toggle back and forth between seeing Spanish and English in their Amplify Science accounts. When in Spanish mode, teachers can: <ul> <li>Download PDFs of all classroom wall materials, copymasters, assessments, and more; Use Spanish projections and slides in class; See all model teacher talk in Spanish; Access digital versions of the student books in Spanish; Access video read-alouds of each student book in Spanish</li> <li>Second, a Student Spanish license enables students to see all content, including assignments, Simulations, slides, notebook pages, and books, in Spanish from their personal accounts. Teachers can choose students' language, or they can give students the power to toggle back and forth as needed.</li> </ul> </li> </ul>



	• Third, Spanish Print Kits provide hard-copy, translated versions of all student-facing materials such as student books, copymasters, print materials, assessments, and Investigation Notebooks.
	<ul> <li>Program-level examples:</li> <li>The English Learners section of the Amplify Science Program Guide (within Access and Equity) describes both the embedded and additional instructional supports identified above in detail.</li> </ul>
	<ul> <li>Lesson-level examples:</li> <li>Grade 1, Spinning Earth unit, Lesson 2.4, Activity 3 (Slides 21–31, including Teacher Support notes linked on Activity 3 divider slide)</li> <li>Grade 3, Inheritance and Traits unit, Lesson 1.6, Activity 2 (Slides 14–26, including Teacher Support notes linked on Activity 2 divider slide)</li> <li>Grade 4, Waves, Energy, and Information unit, Lesson 1.3, Activities 1 and 2 (Slides 2–29, including Teacher Support notes linked on Activity 1 and 2 divider slide)</li> <li>Grade 5, Ecosystem Restoration unit, Lesson 1.7, Activity 1 (Slides 2–8, including Teacher Support notes linked on Activity 1 divider slide)</li> </ul>
<b>3.2.4: STUDENT EDITABILITY</b> Digital materials include resources for students that are editable and allow for communication of understanding and thinking.	Amplify Science student materials are available in both print and digital formats, providing varied modes for students to use in communicating their thinking, including writing, drawing, diagramming, and revising. Print Investigation Notebooks contain instructions for student activities, as well as space for students to record data, reflect on ideas from texts and investigations, and construct explanations and arguments. Students can engage with the same content digitally, via interactive notebook pages that allow them to draw, type, insert images, or record their own voice to respond to lesson prompts. When using the digital experience, students can also engage with slides, sims, modeling tools, videos, books, and more in one cohesive space from their individual accounts. Program-level examples: • Student experience information in Digital Experience Help Article
	<ul> <li>Examples:</li> <li>Grade K, <i>Pushes and Pulls</i> unit, Lesson 1.3, Pushes and Pulls Investigation Notebook, pages 6–9 (under Digital Resources) and Lesson Slides 19–21</li> <li>Grade 3, <i>Inheritance and Traits</i> unit, Lesson 1.3, Inheritance and Traits Investigation Notebook, pages 18–23 (under Digital Resources) and Lesson Slides 7–11</li> <li>Grade 4, <i>Earth's Features</i> unit, Lesson 1.3, Earth's Features Investigation Notebook, pages 38–39 (under Digital Resources) and Lesson Slides 6–10</li> <li>Grade 5, <i>Patterns of Earth and Sky</i> unit, Lesson 1.4, Patterns of Earth and Sky Investigation Notebook, pages 10–11 (under Digital Resources) and Lesson Slides 8–20 and 26–36</li> </ul>



Criterion 3.3: Digital Learning Design Elements The materials are attentive to digital design elements specific to structure, support for users, and adaptability of materials.	<b>3.3.1: MATERIALS USABILITY</b> The organizational structure of the digital materials allows for intuitive navigation and meaningful interaction on a variety of devices.	<ul> <li>The Amplify Science digital materials are delivered on the Amplify platform at learning.amplify.com, which is accessible from a variety of devices. The design of the platform has been thoroughly tested and researched to be an intuitive experience that allows students and educators easy access to all materials and features. Every year, based on usage patterns, usability testing, and feedback from users, Amplify continues to refine the design to make the experience even better.</li> <li>Program-level examples: <ul> <li>Programs &amp; Apps menu, PD Library</li> <li>Programs &amp; Apps menu, Help, Digital Experience navigation videos</li> <li>Amplify Customer Requirements page</li> </ul> </li> </ul>
*This criterion is not required. Quality indicators are provided for evaluation if digital components are included.	<ul> <li>3.3.2: LEARNING RESOURCES</li> <li>The digital materials provide support for users in a variety of settings, including: <ul> <li>Professional learning resources to support educators' use of the materials.</li> <li>Robust supports to help families understand and utilize the materials while supporting their students at home.</li> <li>Support for students working independently.</li> </ul> </li> </ul>	Teachers can engage in self-study via online videos and other resources accessible in the PD library via the Amplify         Science Program Hub. For instance, downloadable participant notebooks and other materials from PD sessions can be         accessed at any time from the Amplify Science Program Hub. A library of training videos are also available on-demand         and include a variety of topics to help teachers successfully use the Amplify Science program, from the basics of         accessing and facilitating lessons, to planning and pacing tips, scope and sequence information, the pedagogical         approach to the NGSS, navigating the program, and more. In addition, Amplify Science often offers live and recorded         webinars for teachers and instructional leaders focusing on key components of the curriculum and featuring the         curriculum developers from the Lawrence Hall of Science. A back-to-school webinar series is also offered free of charge         each year. These videos, webinars, and resources can be used for self-paced reference or during collaborative planning         time or with PLCs throughout the school year.         Resources are also available to help families understand the Amplify Science program and engage their students in         science discussions at home. Please see metric 3.1.3 for more information.         Finally, for the purposes of independent work, teachers can assign students all or select lesson slides, and can set that         access to be synchronous or asynchronous. Embedded throughout the lesson slides are interactive slides, including         digital notebook pages that



<b>3.3.3: MEDIA INTEGRATION</b> Digital and multimedia elements support, rather than distract from, intended learning outcomes and instructional content	Amplify Science is a digitally <i>enhanced</i> curriculum. It integrates technology thoughtfully and intentionally—not in a "tech for tech's sake" fashion but in ways that reflect how 21st-century scientists and engineers use it to enable their investigations and explorations.
instructional content.	Each unit of Amplify Science across K–5 presents students with a variety of different media, including short videos, detailed maps, vibrant images, sound recordings, and much more. These serve as authentic evidence sources students collect and make sense of as they work to figure out each unit's anchor phenomenon.
	Digital applications, meanwhile, are included in all units beginning in grade 2, with simulations being introduced in grade 4. The use of these apps is intended to coherently support the exact learning goals of each unit. To that end, each app and simulation students encounter was specifically designed for the unit in which it is used. This blended model empowers students to not only read scientific texts, write and discuss scientific arguments, and engage in hands-on learning, but to effectively use state-of-the art digital tools in conjunction with these practices, as well.
	<ul> <li>Unit-level examples:</li> <li>Grade 5, Modeling Matter unit, Unit Overview page, Apps in this Unit (under Teacher References)</li> <li>Grade 4, Waves, Energy, and Information unit, Unit Overview page, Apps in this Unit (under Teacher References)</li> </ul>
	<ul> <li>Lesson-level examples:</li> <li>Grade 1, Animal and Plant Defenses unit, Lesson 1.3, Lesson Slides</li> <li>Grade 3, Environments and Survival unit, Lesson 3.3, Lesson Slides</li> <li>Grade 5, Modeling Matter unit, Lesson 1.5, Lesson Slides</li> </ul>



<b>3.3.4: ADAPTABILITY OF MATERIALS</b> Digital materials allow teachers to adjust and adapt documents and other included resources to meet student needs.	The MyAmplify for Google Slides Add-On allows teachers to personalize lesson slides. Teachers can edit slide content and/or add their favorite interactive worksheets, videos, games, and websites into the slide deck, then publish the customized lesson back to Amplify where they can use the presentation feature to guide students through the class synchronously or asynchronously.
	Examples: • <u>MyAmplify for Google Slides add-on Help Article</u>

#### Part 4: Assessment Criteria [K-HS]

Criterion	Description	Metric 1
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Criterion 4.1: Formative Assessment Process Instructional materials incorporate the formative assessment process: Materials employ clear learning goals and performance criteria to elicit evidence of student thinking. Feedback informs the teaching and learning process. Students have	4.1.1: CLARITY OF LEARNING GOALS Materials are designed around clear learning goals and written in grade-appropriate, student friendly language.	<ul> <li>Amplify Science was designed from the ground up specifically to address the Next Generation Science Standards (NGSS). This means that, right from the start, the intent of the materials was to champion the spirit of three dimensional learning, rather than simply being retrofitted to fulfill the requirements of mandated standards. Please refer to the submitted document titled "OR Sci. Adoption 2023 _Amplify Science K-5 Correlation,"for evidence of the alignment between the Amplify Science learning goals and the NGSS.</li> <li>Amplify Science units make learning targets clearly visible through the explicit use of Unit, Chapter, and Investigation Questions. These questions are posted on the classroom wall as they are encountered by students, and remain there for the duration of the unit. Having the guiding questions displayed on the classroom wall serves as a visual reminder of what students have already learned, as well as what the purpose of their current investigation is.</li> <li>Learning objectives are also clearly identified for teachers with bulleted "students learn" statements within the Lesson Overview. The 3-D statements that are provided for teachers in every lesson in Amplify Science also succinctly describe the main goal and activities of the lesson.</li> <li>Examples: <ul> <li>Grade K, <i>Sunlight and Weather</i> unit, Lesson 1.1, Lesson Slides (Slides 4–8)</li> <li>Grade K, <i>Sunlight and Plant Defenses</i> unit, Lesson 1.2, Lesson Slides (Slides 3, 14, 26, 27, and Teacher Support Notes linked in slide 2)</li> <li>Grade 2, <i>Properties of Materials</i> unit, Lesson 1.1, Lesson Slides (Slides 12, 13, and Teacher Support Notes linked in slide 2)</li> <li>Grade 5, <i>The Earth System</i> unit, Lesson 2.4, Lesson Slides (Slides 3 and 4)</li> </ul> </li> </ul>
monitor and adjust their own learning.	<b>4.1.2: ELICITATION OF EVIDENCE</b> Instructional tasks and activities elicit a variety of evidence of student thinking, including opportunities for student self assessment and reflection.	<ul> <li>Amplify Science assessments work as a system. Careful consideration is given to ensure that each unit includes multiple opportunities for students to provide evidence of understanding of the focal concepts and practices in a given unit, as well as instructional suggestions for taking action based on that evidence. The Lawrence Hall of Science specifically designed the assessment system to provide teachers with credible, actionable, and timely diagnostic information about student progress toward each unit's learning goals and their mastery of the grade-level appropriate disciplinary core ideas, science and engineering practices, and crosscutting concepts. Assessments within a unit include formal and informal opportunities for students to demonstrate understanding, and for teachers to gather information while still allowing them the flexibility to decide what to score and what to simply review. These assessment opportunities encompass a range of modalities that, as a system, reflect current research on effective assessment strategies.</li> <li>Assessment opportunities include:         <ul> <li>Pre-Unit Assessment (Formative): Targeted conversations (K-1) and written responses (grades 2–5).</li> <li>On-the-Fly Assessments (Formative): Embedded assessments that leverage the formative opportunities in the learning experience students are already engaged in.</li> <li>Self-assessments (Formative): One per chapter; brief opportunities for students to reflect on their own learning, ask questions, and reveal ongoing thoughts about unit content.</li> <li>Critical Juncture Assessments (Formative): Usually occurring at the end of each chapter, these assessments</li> </ul> </li> </ul>



		<ul> <li>are often end-of-chapter explanations or arguments.</li> <li>End-of-Unit Assessments (Summative): Targeted conversations (K-1) or written responses (grades 2-5).</li> <li>3-D Investigation Assessments (Summative): Embedded in one unit at each grade level, these three-dimensional performance tasks provide students with an open-ended opportunity to show what they've learned by planning and conducting their own scientific investigation of a scientific phenomenon.</li> <li>Benchmark Assessments*: Delivered four times per year beginning in grade 3, benchmark assessments report on students' facility with each of the grade-level appropriate DCIs, SEPs, CCCs, and performance expectations.</li> <li>Portfolio Assessment (Summative): Through the optional portfolio assessment, information on which is found in the Amplify Science Program Guide, students have an opportunity to reflect on their goals and growth throughout the school year as they compile and reflect on work products from each unit.</li> </ul>
		Select examples from one representative unit: • Grade 3, Balancing Forces unit • Lesson 1.1, Overview and Activity 1 (Slides 2–10) • Lesson 1.4, Activities 3 and 4 (Slides 20–29) • Lesson 2.4, Activity 2 (Slides 9–13) • Lesson 3.4, Activities 2 and 3 (Slides 18–33) • Lesson 5.1, Overview and Activity 3 (Slides 24–35)
		*To ensure the assessments measure progress towards Performance expectations and not the progress within the program itself, the NGSS Benchmark Assessments were developed by Amplify outside of development efforts involving the Lawrence Hall of Science and Amplify Science.
	<ul> <li>4.1.3: INTERPRETATION OF FEEDBACK Materials facilitate the provision of meaningful and strengths-based feedback to move learning forward.</li> <li>Student-to-student</li> <li>Educator-to-student</li> <li>Student-to-educator</li> </ul>	<ul> <li>Student-to-student: Each year of Amplify Science K–5 has a unit focused on engineering design in which students iteratively test solutions to real-world problems, compare data and share ideas with peers, and provide feedback on each others' designs. In addition, across all units, a number of discourse routines enable students to regularly provide/receive feedback to/from their peers, such as Evidence Circles, Roundtable Discussions, and the Think-Pair-Share routines.</li> <li>Educator-to-Student: Guidance on interpreting student performance along the three dimensions of the NGSS is included throughout Amplify Science units. Categories of evaluation guidance include assessment guides/rubrics, the Clipboard Assessment Tool (K–1), which offers support for conducting brief, talk-based checks, possible student responses, Look for/Now what? notes and Assess understanding/Tailor instruction notes for each On-the-Fly Assessment and Critical Juncture assessment, respectfully, which include descriptions of evidence of understanding and recommendations for instructional adjustments in response, and a Crosscutting Concept Tracker, which provides prompts for eliciting understanding of the focal CCC, as well as a list of activities where these prompts should be used.</li> </ul>
		<b>Student-to-educator:</b> At the end of every chapter of every unit, students engage in a metacognitive self-assessment. This quick yet important activity asks students to reflect on what they do or do not yet understand about the core concepts from the unit. By reviewing students' responses to these self-assessments, teachers gain a sense of what students believe



		<ul> <li>about what they know. The questions and comments students record can also provide insight into what concepts students may need additional support on, what they are curious about, and/or what they are interested in.</li> <li>Examples: <ul> <li>Grade 1, Animal and Plant Defenses unit, Lesson 1.5, Chapter 1: Clipboard Assessment Tool (under Digital Resources) and Activity 1</li> <li>Grade 2, Changing Landforms unit, Lesson 1.1, Assessment Guide: Interpreting Students' Pre-Unit Explanations About the Arch (under Digital Resources)</li> <li>Grade 3, Environments and Survival unit, Lesson 4.3, Overview and Lesson Slides</li> <li>Grade 4, Energy Conversions unit, Lesson 1.6, Activity 4 (including Teacher Support notes linked on Activity 4 divider slide)</li> <li>Grade 5, Modeling Matter unit, Lesson 3.6, Overview and Lesson Slides</li> </ul> </li> </ul>
4.1.4: ACTION & ADJUSTMENTAs described in metric 4.1.2, the Liteachers with credible, actionable, learning goals and their mastery o practices, and crosscutting concepto demonstrate understanding, and Every lesson in Amplify Science ind on how instruction may be adjusted for teachers to use when scoring s which includes specific strategies i the assessment. These follow-up a class.		As described in metric 4.1.2, the Lawrence Hall of Science specifically designed the assessment system to provide teachers with credible, actionable, and timely diagnostic information about student progress toward each unit's learning goals and their mastery of the grade-level appropriate disciplinary core ideas, science and engineering practices, and crosscutting concepts. Assessments within a unit include formal and informal opportunities for students to demonstrate understanding, and for teachers to gather information and determine next steps. Every lesson in Amplify Science includes an embedded formative assessment, and teachers are provided with guidance on how instruction may be adjusted based on student responses. In addition, End-of-Unit Assessments include a rubric for teachers to use when scoring student responses. This rubric contains a section with Suggestions for Follow-Up, which includes specific strategies for following-up with students who need additional support based on the results of the assessment. These follow-up activities can be implemented with individual students, in small groups, or as a whole class.
		<ul> <li>Examples:</li> <li>Grade K, Pushes and Pulls unit, Lesson 6.3, Assessment Guide: Assessing Students' End-of-Unit Explanations About the Movement of the Pinball in the Class Pinball Machine (under Digital Resources)</li> <li>Grade 1, Animal and Plant Defenses unit, Lesson 4.2, Activities 2 and 3 (Slides 18–40)</li> <li>Grade 3, Weather and Climate unit, Lesson 1.5, Activity 3 (Slide 32)</li> <li>Grade 4, Vision and Light unit, Lesson 1.4, Activity 1 (Slide 21)</li> <li>Grade 5, The Earth System unit, Lesson 3.4, Lesson Slides</li> </ul>



Criterion 4.2: Performance Assessments Materials center science phenomena and engineering design problems that align with the depth, breadth, and cognitive demand of the standards. High-quality performance assessments: <ul> <li>affirm students' funds of knowledge and interests.</li> <li>integrate the three dimensions to allow for multiple representations of thinking.</li> <li>can be iterated over time.</li> </ul>	4.2.1: ALIGNMENT Materials include performance tasks that show clear and full alignment to science standards and reflect the 3D focus by including the disciplinary core ideas, crosscutting concepts, and science and engineering practices.	<ul> <li>The majority of assessments in Amplify Science are embedded performance tasks, and all are aligned to the learning goals of the unit (which in turn are aligned to the NGSS). Every unit of Amplify Science includes one document called Assessment System (located within Teacher References on the Unit Overview page), and another called 3-D</li> <li>Assessment Objectives (in the Printable Resources area of the Unit Overview page). The Assessment System resource includes a table that summarizes the range of assessment opportunities in the unit, noting the lesson in which each occurs, the form each takes, and the nature of guidance for reviewing and adjusting instruction in response to assessment information. The 3-D Assessment Objectives document, meanwhile, contains a page for each of the unit's focal Performance Expectations and shows a clear breakdown of the lesson and activities in which each constituent dimension of those Performance Expectations is assessed.</li> <li>Unit-level examples: <ul> <li>Grade K, Sunlight and Weather unit, Unit Overview page, 3-D Assessment Objectives (under Printable Resources) and Assessment System (under Teacher References)</li> <li>Grade 3, Balancing Forces unit, Unit Overview page, Unit Overview page, 3-D Assessment Objectives (under Printable Resources) and Assessment System (under Teacher References)</li> <li>Grade 4, Vision and Light unit, Unit Overview page, Unit Overview page, 3-D Assessment Objectives (under Printable Resources) and Assessment System (under Teacher References)</li> <li>Grade 4, Vision and Light unit, Unit Overview page, Unit Overview page, 3-D Assessment Objectives (under Printable Resources) and Assessment System (under Teacher References)</li> <li>Grade 4, Vision and Light unit, Unit Overview page, Unit Overview page, 3-D Assessment Objectives (under Printable Resources) and Assessment System (under Teacher References)</li> <li>Grade 2, Plant and Animal Relationships unit, Lesson 4.3, Overview, Digital Resources, and Lesson Slides</li> <li>Grade 5,</li></ul></li></ul>
	<b>4.2.2: CULTURAL AFFIRMATION</b> Performance assessments utilize and affirm students' interests and cultural backgrounds. Tasks are suitable for both group and individual engagement.	Amplify Science's multiple measure approach to assessment is designed to minimize bias by providing a wide variety of opportunities for students to demonstrate understanding—not just text, but also talk, diagramming and modeling, and hands-on (especially for early elementary) modalities. All assessments are carefully reviewed by psychometricians, assessment experts, science educators, and literacy experts to improve accessibility and eliminate bias. As a part of this process to create unbiased assessments, language in assessment items is carefully chosen to be grade-level appropriate and to avoid common pitfalls of assessment design, like false cognates and complex grammatical structure or tense. As an important element of construct validity, contexts used for assessment items and performance tasks are carefully chosen to be a function of the understanding and practices being learned and assessed, not the set of experiences they are familiar with. Because of the range of modalities in which assessments occur, students have multiple opportunities in each unit to engage in tasks that are whole class, group, and individual in nature.



		<ul> <li>Examples:</li> <li>Grade K, Needs of Plants and Animals unit, Unit Overview page, Assessment System and Embedded Formative Assessments (both under Teacher References)</li> <li>Grade 2, Changing Landforms unit, Unit Overview page, Assessment System and Embedded Formative Assessments (both under Teacher References)</li> <li>Grade 3, Inheritance and Traits unit, Unit Overview page, Assessment System and Embedded Formative Assessments (both under Teacher References)</li> <li>Grade 4, Vision and Light unit, Unit Overview page, Assessment System and Embedded Formative Assessments (both under Teacher References)</li> <li>Grade 4, Vision and Light unit, Unit Overview page, Assessment System and Embedded Formative Assessments (both under Teacher References)</li> <li>Grade 5, Ecosystem Restoration unit, Unit Overview page, Assessment System and Embedded Formative Assessments (both under Teacher References)</li> </ul>
	4.2.3: AUTHENTICITY Performance assessments allow students to work with relevant science phenomena, engineering design problems, and authentic audiences.	<ul> <li>The Amplify Science assessment system is grounded in the principle that students benefit from regular and varied opportunities to demonstrate understanding through performance. In practice, this means that for the overwhelming majority of assessment opportunities in each unit, student conceptual understanding is revealed through authentic engagement in the science and engineering practices. In every unit, students inhabit the role of a scientist or engineer in order to figure out scientific phenomena through a 21st-century, real-world problem context. Students investigate phenomena, construct scientific explanations, develop and use models, and engage in argument as a core part of the problem-based deep dives of each unit. Embedded assessments occur as they take part in these activities, and all are tied to unit-specific learning progressions (called Progress Builds) that define each level of students' increasingly sophisticated understanding of the anchoring phenomenon of the unit.</li> <li>Examples: <ul> <li>Grade 1, Animal and Plant Defenses unit, Lesson 1.3, Activity 3 (Slides 38–50)</li> <li>Grade 2, Changing Landforms unit, Lesson 2.4, Activities 1 and 2 (Slides 1–23)</li> <li>Grade 4, Waves, Energy, and Information unit, Lesson 4.4, Assessment Guide: Assessing Students' End-of-Unit Explanations About Patterns in Communication (under Digital Resources) and Lesson Slides</li> <li>Grade 5, Patterns of Earth and Sky unit, Lesson 4.3, Assessment Guide: Assessing Students' Investigations of a Constellation or Star (under Digital Resources) and Lesson Slides</li> </ul> </li> </ul>



<b>4.2.4: CLARITY &amp; FEEDBACK</b> Performance assessments use clear scoring criteria and allow for multiple iterations of student thinking based on feedback.	Students' iteration on their initial thinking serves as an important source of insight into their progress. Accordingly, instances where students are demonstrating a change in their thinking are often leveraged as assessment opportunities. For example, On-the-Fly and Critical Juncture Assessments often focus on activities in which students are revising earlier thinking. In addition, each unit begins with a Pre-Unit Assessment, which is an individually scorable assessment opportunity meant to reveal students' prior knowledge and preconceptions, and gauge their facility for using the SEPs and CCCs. Each unit concludes with a summative End-of-Unit Assessment, scored with the same diagnostic model of the Pre-Unit assessment. Because these two assessments are similarly formatted and target the same learning goals, they provide a clear way to document student learning outcomes over a given unit.
	Clear guidance on interpreting student performance on these assessments is provided for teachers. For example, Assessment Guides/rubrics are included for all Pre-unit, End-of-Unit, and Investigation Assessments. Each Assessment Guide/rubric contains information on gauging the level of student performance on the respective assessment task, with suggestions for student feedback and questioning strategies to advance learning, revise performance, or elicit and clarify student thinking. Each On-the-Fly Assessment, meanwhile, includes a two-part description of what evidence of understanding would look like for the task (Look for) and how instruction may be adjusted in response (Now what?). Similarly, each Critical Juncture Assessment includes a two-part description of how the expected level of student understanding may be demonstrated in the task (Assess understanding) and how instruction may be adjusted in response (Tailor instruction) at the class, group, and student level.
	<ul> <li>Examples:</li> <li>Grade K, Needs of Plants and Animals unit, Lesson 4.4, Assessment Guide: Assessing Students' End-of-Unit Explanations About How Plants and Animals Can Live in the Garden (under Digital Resources)</li> <li>Grade 1, Spinning Earth unit, Lesson 5.3, Assessment Guide: Assessing Students' End-of-Unit Explanations About the Sky Over One Day (under Digital Resources)</li> <li>Grade 2, Properties of Materials unit, Lesson 4.4, Assessment Guide: Assessing Students' End-of-Unit Arguments About a Final Glue Design (under Digital Resources)</li> <li>Grade 3, Inheritance and Traits unit, Lesson 4.2, Assessment Guide: Assessing Students' Questions About Sparrows (under Digital Resources)</li> <li>Grade 4, Vision and Light unit, Lesson 4.6, Assessment Guide: Assessing Students' End-of-Unit Explanations About Why More Light Makes It Harder for a Tokay Gecko to See (under Digital Resources)</li> </ul>

## Oregon QCD/IMET Citation Guidance

	Citation phrase	Example image	How to get there
1	Grade [number], [ <i>Unit Name</i> ] unit	Amplify     one     Connection       texter     III PERSANALANY     III PERSANALANY     III PERSANALANY       texter     III PERSANALANY     III PERSANALANY     III PERSANALANY       texter     Units     AmplifyScience       Texter     Texter     Data       Texter     Texter     Data       Texter     Texter     Data       Texter     Texter     Data	Log into learning.amplify.com using the provided reviewer credentials. Select the grade level listed in the citation from the drop down, then select the unit name listed in the citation.
2	Unit Overview page		Select any unit from a respective grade level page (see row 1)
3	Unit Overview	Image:	Navigate to the respective unit's Unit Overview page (see row 2), then select the <b>Unit Overview</b> section within the menu on the left-hand side.

4	<b>Resource title</b> (under Printable Resources)	Anglity     NM     Description       Loss 2     Marcad Statutated Annual       Unit development     Printable Resources       Department     3 2 Auszanem Objectives       Training Resources     3 2 Auszanem Objectives       Training Resources     Compared Comparison       Training Resources     Compared Comparison       Training Resources     Compared Comparison       Officer Programmin     Compared Comparison       Officer Programmin     Marcine (0,57 x 117)	Navigate to the respective unit's <b>Unit Overview page</b> (see row 2), then select the <b>Printable Resources</b> section within the menu on the left-hand side. Click on the respective resource(s) (which will be bolded in the citation).
5	<b>Resource title</b> (under Planning for the Unit)	<page-header><text></text></page-header>	Navigate to the respective unit's Unit Overview page (see row 2), then expand the <b>Planning for the Unit</b> section within the menu on the left-hand side. Select the respective resource(s) (which will be bolded in the citation) from the submenu underneath Planning for the Unit.
6	<b>Resource title</b> (under Teacher References)	Ampuly:       voice:       Official State Automatic         Stread 2 Datase Automatic       If indicate Automatic       If indicate Automatic         Stread 2 Datase Automatic       Annotation       If indicate Automatic         Outputs:       Mail       If indicate Automatic         Outputs:       Mail       If indicate Automatic         Outputs:       Mail       If indicate Automatic         Indicate Automatic       If indicate Automatic       If indicate Automatic         Indicate Automation       If indicate Automatic       If indicate Automatic         Indicate Automatic       If indicate Automatic       If indicate Automatic         Indicate Automatic       If indicate Automatic       If indicate Automatic         Indicate Automatic       If indicate Automatic       If indicate Automatic         Indicate Automatic<	Navigate to the respective unit's Unit Overview page (see row 2), then expand the <b>Teacher References</b> section within the menu on the left-hand side. Select the respective resource(s) (which will be bolded in the citation) from the submenu underneath Teacher References.
7	Lesson [number]	Amplify       NM       CHROLEN       Imposed of Exception of Exc	Navigate to the respective unit's Unit Overview page (see row 2), then select the <b>Chapters</b> section from the left-hand menu. Scroll within the Chapters section to find the lesson listed in the citation, then select it to open the lesson.







