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| **Strand: LAFS. 1112. RST: Reading Standards for Literacy in Science and Technical Subjects 11-12** | |
| **Standard and CPALMS Site Link** | **Suggested CPALMS Lesson Plans and Related Resources** |
| [LAFS.1112.RST.1.1](http://www.cpalms.org/Public/PreviewStandard/Preview/6195)  Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes and to any gaps or inconsistencies in the account.  Cluster: Key Ideas and Details  Content Complexity: Level 3: Strategic Thinking & Complex Reasoning | Lesson Plan: [A New Vaccine For Yellow Fever?](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/164672)  Lesson Plan: [Life After Death: Some Genes Remain “Alive”](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/167375)  Text Resource: [“Nanodaisies” Deliver Drug Cocktail to Cancer Cells](http://www.cpalms.org/Public/PreviewResourceUrl/Preview/67545) |
| [LAFS.1112.RST.1.2](http://www.cpalms.org/Public/PreviewStandard/Preview/6205)  Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.  Cluster: Key Ideas and Details  Content Complexity: Level 2: Basic Application of Skills & Concepts | Lesson Plan: [Methods of Protecting Coral Reefs](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/152317)  Lesson Plan: [By-Products of Fracking](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/157044)  Text Resource: [Antifreeze Proteins in Antarctic Fish Prevent Both Freezing and Melting](http://www.cpalms.org/Public/PreviewResourceUpload/Preview/166328) |
| [LAFS.1112.RST.1.3](http://www.cpalms.org/Public/PreviewStandard/Preview/6206)  Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.  Cluster: Key Ideas and Details  Content Complexity: Level 3: Strategic Thinking & Complex Reasoning | Lesson Plan: [Calculating the Earth-Sun distance using Satellite Observations of a Venus Transit](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/26952)  Lesson Plan: [Forced to Learn](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/51179)  STEM Lesson: [Plants versus Pollutants](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/37190) |
| [LAFS.1112.RST.2.4](http://www.cpalms.org/Public/PreviewStandard/Preview/6207)  Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 11–12 texts and topics.  Cluster: Craft and Structure  Content Complexity: Level 3: Strategic Thinking & Complex Reasoning | Lesson Plan: [A Star is Born…and Dies](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/154512)  Lesson Plan: [Discover the Planimal](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/167798)  Text Resources: [Antimatter](http://www.cpalms.org/Public/PreviewResourceUrl/Preview/57472)  Text Resources: [Bioremediation: Nature’s Way to a Cleaner Environment](http://www.cpalms.org/Public/PreviewResourceUpload/Preview/167247) |
| [LAFS.1112.RST.2.5](http://www.cpalms.org/Public/PreviewStandard/Preview/6208)  Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic.  Cluster: Craft and Structure  Content Complexity: Level 3: Strategic Thinking & Complex Reasoning | Lesson Plan: [The Most Beneficial Bank](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/48801)  Text Resources: [Could the Yosemite Rim Fire Be Ecologically Beneficial?](http://www.cpalms.org/Public/PreviewResourceUrl/Preview/66162) |
| [LAFS.1112.RST.2.6](http://www.cpalms.org/Public/PreviewStandard/Preview/6209)  Analyze the author’s purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, identifying important issues that remain unresolved.  Cluster: Craft and Structure  Content Complexity: Level 3: Strategic Thinking & Complex Reasoning | Lesson Plan: [Editing Humanity’s Problems with CRISPR](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/156514)  Text Resource: [Mercury-Laden Fog Swirls over Coastal California, Scientists Find](http://www.cpalms.org/Public/PreviewResourceUpload/Preview/162613)  Text Resource: [Ecologists Identify Potential new Sources of Ebola and Other Filoviruses](http://www.cpalms.org/Public/PreviewResourceUrl/Preview/162662) |
| [LAFS.1112.RST.3.7](http://www.cpalms.org/Public/PreviewStandard/Preview/6210)  Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.  Cluster: Integration of Knowledge and Ideas  Content Complexity: Level 3: Strategic Thinking & Complex Reasoning | Lesson Plan: [Searching for Evidence of Dark Energy](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/45953)  Lesson Plan: [Alternative Fuel Systems](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/44532)  Text Resource: [Volcano Power Plan Gets US Go-Ahead](http://www.cpalms.org/Public/PreviewResourceUrl/Preview/56861) |
| [LAFS.1112.RST.3.8](http://www.cpalms.org/Public/PreviewStandard/Preview/6211)  Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.  Cluster: Integration of Knowledge and Ideas  Content Complexity: Level 3: Strategic Thinking & Complex Reasoning | Lesson Plan: [Which Brand of Chocolate Chip cookie Would You Buy?](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/48866) |
| [LAFS.1112.RST.3.9](http://www.cpalms.org/Public/PreviewStandard/Preview/6212)  Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.  Cluster: Integration of Knowledge and Ideas  Content Complexity: Level 3: Strategic Thinking & Complex Reasoning | Lesson Plan: [Too Much of a Good Thing: Human Activities Overload Ecosystems with Nitrogen](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/166629)  Lesson Plan: [The Dynamic Carbon Cycle](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/164528)  Tutorial: [Concave Spherical Mirrors](http://www.cpalms.org/Public/PreviewResourceUrl/Preview/52954) |
| [LAFS.1112.RST.4.10](http://www.cpalms.org/Public/PreviewStandard/Preview/6171)  By the end of grade 12, read and comprehend science/technical texts in the grades 11-12 text complexity band independently and proficiently.  Cluster: Range of Reading and Level of Text Complexity  Content Complexity: Level 2: Basic Application of Skills & Concepts | Lesson Plan: [Artificially Sweetened Foods and Drinks Can’t Fool Your Brain](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/157227)  Lesson Plan: [Economics and Epidemiology](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/163993)  Tutorial: [Underwater Evidence](http://www.cpalms.org/Public/PreviewResourceUrl/Preview/148678)  Text Resource: [Live Cells Printed Using ‘Rubber Stamp’ Method](http://www.cpalms.org/Public/PreviewResourceUrl/Preview/58989) |