**EAYA Career and Technical Education**

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| [**Standards Content**](https://drive.google.com/drive/folders/1K1Vy8q5z0RgxkQoZL1LAoBWU2wsjWqFG?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Students and**  **Program Design and**  **Management (Standards** [**I,**](https://drive.google.com/file/d/1t9b4CVZLrAxLsIGciD_q26O2WetPB8eV/view?usp=sharing)[**VII)**](https://drive.google.com/file/d/1BFeH1NV42arnT6v6q2kPJoJm4FQO9-GH/view?usp=sharing)   * Obtaining a Holistic View of Students * Program Design   1. Assessing   stakeholder needs  to validate programs  ○ Respond to  stakeholder finding  ○ Program   * Program Management   1. Monitor and   maintain student data  ○ Inventory and maintain resources | 28%  Approx 11 questions |  |  |  |
| **Learning Environment and**  **Instructional Practices** [**(Standard IV)**](https://drive.google.com/file/d/12hVtgJfmkzbcSi4MHJ60styQ615kHahP/view?usp=sharing)  ● Contextualizing Education within the Learning  Environment Maintaining a  Safe Learning Environment ● Utilizing Technology | 42%  Approx 17 questions |  |  |  |
| **Postsecondary Readiness**  [**(Standard VI)**](https://drive.google.com/file/d/1OopSoIBh56ZvEyOat5pnMhHdQQ2UJmz0/view?usp=sharing)  ● Defining Postsecondary Opportunities | 30%  Approx 12 |  |  |  |

**EAYA Career and Technical Education (cont.)**

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| ● Pursuing Postsecondary Opportunities | questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * **National Educational Technology Standards**: [http://cnets.iste.org](http://cnets.iste.org/) * **Computer educators:** [http://www.iste.org/standards/standards/standards-for-computer-science-educators](https://www.iste.org/standards/for-educators) * **CSET Ed Technology practice tes**t (You must decide if these questions assess what your standards are assessing): * [http://www.ctcexams.nesinc.com/TestView.aspx?f=HTML\_FRAG/CA\_CSET133\_TestPage.html: (Links to an external site.)](http://www.ctcexams.nesinc.com/TestView.aspx?f=HTML_FRAG/CA_CSET133_TestPage.html) * **Industrial and Tech Ed:** <http://www.ctcexams.nesinc.com/TestView.aspx?f=HTML_FRAG/CA_CSET184_TestPage.html>   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**EA English Language Arts**

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| [**Standards Content**](https://drive.google.com/drive/folders/1K6_Jb7Aa8LNrypFWkoMcSrw4OOoepQio?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Reading and Viewing (**[**Standard**](https://drive.google.com/file/d/1waye8fKF2IOeQGQNZQ_2kIJs-BYEanoT/view?usp=sharing)  [**V)**](https://drive.google.com/file/d/1waye8fKF2IOeQGQNZQ_2kIJs-BYEanoT/view?usp=sharing)   * The purposes of reading Genres * Instructional strategies for reading and viewing maintain resources | 40%  Approx 16 questions |  |  |  |
| **Writing and Producing** [**(Standard VI)**](https://drive.google.com/file/d/15iVzN6i8OT2RCEKZ4G0sQ7BoCsDSRxX0/view?usp=sharing)   * Knowledge about writing and producing * Instructing students in writing and producing * Resources for writing and producing * Assessment of writing and producing | 40%  Approx 16 questions |  |  |  |
| **Speaking and Listening; Language Study (Standards** [**VII**](https://drive.google.com/file/d/1KUpWeQNVZyzu_DLGCSpk5M8q07fPtqPd/view?usp=sharing)  **and** [**VIII)**](https://drive.google.com/file/d/1tT_6YdM_zRhqoFhroXp9Fl7jFbm5MivP/view?usp=sharing)   * Pedagogy and strategies for teaching speaking and   listening   * Integration of speaking and listening with other strands of English language arts * The evolving nature of the English language * Language in context * Instructional approaches in | 20%  Approx 8 questions |  |  |  |

**EA English Language Arts (cont.)**

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| the study of the English language |  |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [CA ELA/ELD Framework](http://www.cde.ca.gov/ci/rl/cf/elaeldfrmwrksbeadopted.asp) * [Lit-Centric Resource Page](http://litcentric.com/blog/?page_id=380) * [Literacy Resources](https://docs.google.com/document/d/1vMuu2TI0pvBgKWEYfDVWWo5URVfrvMEnfyQcXfB_KMQ/edit) * [TEDD – English Language Arts](http://tedd.org/?tedd_subject=literacy)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**EMC Physical Education**

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| [**Standards Content**](https://drive.google.com/drive/folders/1E-VSl_Wv0xjld24pI0ELzMyRAYySXY9o?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Exercise Science (**[**Standard II)**](https://drive.google.com/file/d/1QJI96h4r6RSf6IDdbnaFc47Rj8MvLJ9b/view?usp=sharing)   * Major muscle groups and functions * Biomechanical principles * Effects of physical activity on the human body, and exercise heart rate and recovery heart rate | 35%  Approx 14 questions |  |  |  |
| **Motor Development, Motor Learning, and Movement Forms**  **in Context (**[**Standard II)**](https://drive.google.com/file/d/1QJI96h4r6RSf6IDdbnaFc47Rj8MvLJ9b/view?usp=sharing)   * Progression from beginning to mature motor patterns, including fine and gross motor skills * Developmentally appropriate movements and progressions * Critical elements that promote skill acquisition * Developmentally appropriate scope and sequence of movement forms | 35%  Approx  14questions |  |  |  |
| **Physical Activity and Wellness;**  **Legal and Safety Issues (Standards** [**II,**](https://drive.google.com/file/d/1QJI96h4r6RSf6IDdbnaFc47Rj8MvLJ9b/view?usp=sharing) **IV)**   * Health- and skill-related components of physical activity * FITT Principle guidelines | 30%  Approx 12 questions |  |  |  |

**EMC Physical Education (cont.)**

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| and principles of exercise   * Basic nutrition principles and guidelines * Comprehensive fitness, including hypokinetic conditions and the effect of behavioral choices on personal well- being * Legal and safety issues, including applicable laws and initiatives related to the successful participation of all students, including   students with exceptionalities |  |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [CA Physical Education Framework](http://www.cde.ca.gov/ci/pe/cf/documents/peframework2009.pdf) * [Concepts and Principles of Physical Education, What Every Student Needs to Know by Bonnie Mohnsan.](http://www.amazon.com/Concepts-Principles-Physical-Education-Student/dp/0883147440)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**EA Social Studies-History**

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| [**Standards Content**](https://drive.google.com/drive/folders/1M15P9EcL728_FXxFEQsJIAXIE4aulkY0?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Integrating Content (**[**Standard**](https://drive.google.com/file/d/1Ly2cvJSb2OTbK-kmh7MMUOB9fqk02yk_/view?usp=sharing)  [**IV)**](https://drive.google.com/file/d/1Ly2cvJSb2OTbK-kmh7MMUOB9fqk02yk_/view?usp=sharing)   * Instructional Strategies * Resources | 25%  Approx 10 questions |  |  |  |
| **Knowing Content—History**  [**(Standard III)**](https://drive.google.com/file/d/1QLTb3uyODA9YqRTMwIRpPEKF5Tgrbk3d/view?usp=sharing)   * History * World History * United States History | 42%  Approx 17 questions |  |  |  |
| **Knowing Content—Social Studies (**[**Standard III)**](https://drive.google.com/file/d/1QLTb3uyODA9YqRTMwIRpPEKF5Tgrbk3d/view?usp=sharing)   * Economics * Geography * Civics and Government | 33%  Approx 13 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [History - Social Science Framework](http://www.cde.ca.gov/ci/hs/cf/hssfw2ndreview.asp) * [Khan Academy](https://www.khanacademy.org/) * [Suggestions from SFUSD Candidates](https://docs.google.com/document/d/1wm_1PdnYFuPOofOucrLUZAIvkkdY7bRVylAkS9KkS0Y/edit) * [Best of History Websites](http://www.besthistorysites.net/index.php) * [Crash Course World history on Youtube](https://www.youtube.com/watch?v=Yocja_N5s1I&list=PLBDA2E52FB1EF80C9) * [Crash Course Economics](https://www.youtube.com/watch?v=3ez10ADR_gM&list=PL8dPuuaLjXtPNZwz5_o_5uirJ8gQXnhEO)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**ECYA Library Media**

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| [**Standards Content**](https://drive.google.com/drive/folders/18_Kdf1DBmVGogsMRjHzxcFRwl4fronrh?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Library and**  **Information Studies (**[**Standard**](https://drive.google.com/file/d/1LsWadqovY6Hm9_A_LFftGxYj6oCLfUo0/view?usp=sharing)  [**III**](https://drive.google.com/file/d/1LsWadqovY6Hm9_A_LFftGxYj6oCLfUo0/view?usp=sharing)**)**   * Principles of the Profession   Effective Organization and  Practice Collections   * Information Seeking ● Information and Communication   Technologies | 40%  Approx  16questions |  |  |  |
| **Administration (Standards** [**V,**](https://drive.google.com/file/d/1Q9CNz9-G9bRLnqhp9Ir3KGr3xfE470xZ/view?usp=sharing)[**VI,**](https://drive.google.com/file/d/1vDHUtGk_RubF_0ehThoG4q7pGWtBpf8f/view?usp=sharing) [**IX)**](https://drive.google.com/file/d/1UPfTW1ilOPWVPRkOpTxAUz0zF8eRr8hD/view?usp=sharing)   * Evaluating the Library Media Program * Technologies for Program Administration * Outreach and Advocacy | 25%  Approx 10 questions |  |  |  |
| **Access, Equity, Diversity, and Ethics (Standards** [**III,**](https://drive.google.com/file/d/1LsWadqovY6Hm9_A_LFftGxYj6oCLfUo0/view?usp=sharing)[**VII,**](https://drive.google.com/file/d/1xI4ddywjN_tAhzFzU4cOkBOrZ_Lu9qcT/view?usp=sharing)[**VIII)**](https://drive.google.com/file/d/1GaOZJHyElglkZuGziBmDqVn8I4XTQ4dX/view?usp=sharing)   * Access * Practicing Professional Ethics * Knowledge of Ethical and Legal Tenets * Teaching Ethical   Information Behavior and  Digital Citizenship | 35%  Approx 14 questions |  |  |  |

**ECYA Library Media (cont.)**

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| **Resources recommended by NBCTs who have taken this assessment** | ● [Implementing the Common Core State Standards: The Role of the School Librarian](http://www.achieve.org/files/CCSSLibrariansBrief-FINAL.pdf)  [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**EAYA World Languages (French)**

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| [**Standards Content**](https://drive.google.com/file/d/1c_gCnfPv89AdNn2ECwtXth1joT7D2y1_/view?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Language** [**(Standard II**](https://drive.google.com/file/d/1wGkLzzapmrzAVSQsq5qlMaf9cJJmhrAA/view?usp=sharing)**)**   * Phonological Systems * Knowledge of How Language Works * Cultural Values * Rhetorical and Stylistic Devices Geographical   Variations   * Current Trends in Development of Target   Language/Comparison of  English and Target  Language | 50%  Approx 22 or  23 questions |  |  |  |
| **Knowledge of Language**  **Acquisition (**[**Standard IV)**](https://drive.google.com/file/d/1A_picU_Hx8TFq4XlE806EL9NCuqPuBVg/view?usp=sharing)   * Current Theories and Research * Learner Characteristics * Learning Styles * Instructional Strategies Competencies and   Discourse Features ● Cultural Knowledge | 50%  Approx 22 or  23 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [CA World Language Framework](http://www.cde.ca.gov/ci/cr/cf/documents/foreignlangfrmwrk.pdf) * [ACTFL French](https://www.actfl.org/resources/actfl-proficiency-guidelines-2012/french) * [CSET exam preparation site](https://www.teacherstestprep.com/top-books/CSET-Exams) * [Free Online Professional Development resources](https://blog.coerll.utexas.edu/?s=free+online+professional+development) * [AP workshop information for AP](http://apcentral.collegeboard.com/apc/public/professional_development/workshops/world_languages_culture/232517.html) | |  |  |

**EAYA World Languages (French) (cont.)**

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|  | [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**EAYA World Languages (Spanish)**

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| [**Standards Content**](https://drive.google.com/file/d/1c_gCnfPv89AdNn2ECwtXth1joT7D2y1_/view?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Language** [**(Standard II**](https://drive.google.com/file/d/1wGkLzzapmrzAVSQsq5qlMaf9cJJmhrAA/view?usp=sharing)**)**   * Phonological Systems * Knowledge of How Language Works * Cultural Values * Rhetorical and Stylistic Devices Geographical   Variations   * Current Trends in Development of Target   Language/Comparison of  English and Target  Language | 50%  Approx 22 or  23 questions |  |  |  |
| **Knowledge of Language**  **Acquisition (**[**Standard IV)**](https://drive.google.com/file/d/1A_picU_Hx8TFq4XlE806EL9NCuqPuBVg/view?usp=sharing)   * Current Theories and Research * Learner Characteristics * Learning Styles * Instructional Strategies Competencies and   Discourse Features ● Cultural Knowledge | 50%  Approx 22 or  23 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [CA World Language Framework](http://www.cde.ca.gov/ci/cr/cf/documents/foreignlangfrmwrk.pdf) * [ACTFL Spanish](https://www.actfl.org/resources/actfl-proficiency-guidelines-2012/spanish) * [CSET exam preparation site](https://www.teacherstestprep.com/top-books/CSET-Exams) * [Free Online Professional Development resources](https://blog.coerll.utexas.edu/?s=free+online+professional+development) * [AP workshop information for AP](http://apcentral.collegeboard.com/apc/public/professional_development/workshops/world_languages_culture/232517.html) | |  |  |

**EAYA World Languages (Spanish) (cont.)**

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|  | [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**ECYA School Counseling**

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| [**Standards Content**](https://drive.google.com/drive/folders/1kBvsIjBRTW_-Ph3ENohAVPtbtZCQAXXe?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **School Counseling Program,**  **Leadership, Advocacy, and**  **Professional Identity (Standards**  [**I,**](https://drive.google.com/file/d/1SxW9daNt9pWLw6v_IaRT97VTOgmOOpc1/view?usp=sharing)[**X**](https://drive.google.com/file/d/1fj51e4kw4Lc901s_OEwI9nwVtG1a1acb/view?usp=sharing)**)**   * Foundations of the program * Accountability of the program * Ethics | 40%  Approx 16 questions |  |  |  |
| **Human Growth and**  **Development (**[**Standard III)**](https://drive.google.com/file/d/1nfiQuK1AZMlG9ktI9BoCqL_Sj8ErcyXw/view?usp=sharing)   * Theories of human growth and development and their application in working with individual students * Developmental stages * Developmental assets and strategies for helping   students build   * Developmental needs of students with   exceptionalities   * Consulting with stakeholders regarding developmental   considerations in education for all students | 30%  Approx 12 questions |  |  |  |

**ECYA School Counseling (cont.)**

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| **Counseling Theories, Equity, and Fairness (Standards** [**IV,**](https://drive.google.com/file/d/1XhK97NK3unrwODkALaY-PVj-mgd6Fc77/view?usp=sharing)[**V)**](https://drive.google.com/file/d/1f4xQMWdTI5FZZYh108rK36bH7Hi3LCp7/view?usp=sharing)   * History and philosophy of major counseling theories and techniques * Building and maintaining strong relationships with highly developed communication skills * Theories and policies   related to multicultural counseling and differences among diverse populations   * Relationship between motivation and behavior * Promoting fairness and equity | 30%  Approx  12questio ns |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [MastersInCounseling.org](http://www.mastersincounseling.org/counseling-sites.html#school) * [A Framework for School Counseling Programs](http://schoolcounselor.org/ascanationalmodel/media/anm-templates/anmexecsumm.pdf) * [ASCA – Ethical Standards for School Counselors](https://www.schoolcounselor.org/asca/media/asca/Ethics/EthicalStandards2016Draft.pdf)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**EAYA Music**

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| [**Standards Content**](https://drive.google.com/file/d/1YD2tQnakj92RBqYKP_cnkVlgbz1pG7rq/view?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Theory and History (**[**Standard II)**](https://drive.google.com/file/d/1Mq7xOFMU2sYEe-uuDIJizyexKta81t8g/view?usp=sharing)  ● Theory ● History | 25%  Approx 10 questions |  |  |  |
| **Facilitating Music Learning** [**(Standard IV)**](https://drive.google.com/file/d/14_Dn8vFepgOqVUDQBICM9-RpNYwORUGm/view?usp=sharing)   * Curriculum * Instructional Strategies | 17%  Approx 7 questions |  |  |  |
| **Specialized Skills and**  **Knowledge (**[**Standard IV)**](https://drive.google.com/file/d/14_Dn8vFepgOqVUDQBICM9-RpNYwORUGm/view?usp=sharing)  **Path-Specific**   * Instrumental: Band or * Instrumental: Orchestra or * Vocal/General | 33%  Approx 13 questions |  |  |  |
| **Performing and Repertoire**  **(Standards** [**II,**](https://drive.google.com/file/d/1Mq7xOFMU2sYEe-uuDIJizyexKta81t8g/view?usp=sharing)[**VI**](https://drive.google.com/file/d/1IJ47Jo5q7vp9hsN13ZqsoxVTQ06WRyRA/view?usp=sharing)**)**   * Performing Techniques * Repertoire * Connections to Other Disciplines * Building Repertoires and Teaching Strategies that Include Music Chosen from a World Sample | 25%  Approx 10 questions |  |  |  |

**EAYA Music (cont.)**

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| **Resources recommended by NBCTs who have taken this assessment** | [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**EMC Music**

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| [**Standards Content**](https://drive.google.com/file/d/1YD2tQnakj92RBqYKP_cnkVlgbz1pG7rq/view?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Theory and History (**[**Standard II)**](https://drive.google.com/file/d/1Mq7xOFMU2sYEe-uuDIJizyexKta81t8g/view?usp=sharing)  ● Theory ● History | 25%  Approx 1questions |  |  |  |
| **Facilitating Music Learning** [**(Standard IV)**](https://drive.google.com/file/d/14_Dn8vFepgOqVUDQBICM9-RpNYwORUGm/view?usp=sharing)   * Curriculum * Instructional Strategies | 17%  Approx 7 questions |  |  |  |
| **Specialized Skills and**  **Knowledge (**[**Standard IV)**](https://drive.google.com/file/d/14_Dn8vFepgOqVUDQBICM9-RpNYwORUGm/view?usp=sharing)  **Path-Specific**   * Instrumental: Band or * Instrumental: Orchestra or * Vocal/General | 33%  Approx 13 questions |  |  |  |
| **Performing and Repertoire**  **(Standards** [**II,**](https://drive.google.com/file/d/1Mq7xOFMU2sYEe-uuDIJizyexKta81t8g/view?usp=sharing)[**VI**](https://drive.google.com/file/d/1IJ47Jo5q7vp9hsN13ZqsoxVTQ06WRyRA/view?usp=sharing)**)**   * Performing Techniques * Repertoire * Connections to Other Disciplines * Building Repertoires and Teaching Strategies that Include Music Chosen from a World Sample | 25%  Approx 10 questions |  |  |  |

**EMC Music (cont.)**

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| **Resources recommended by NBCTs who have taken this assessment** | ● https://www.pinterest.com/pin/775533998325442972/  [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**EA Math**

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| [**Standards Content**](https://drive.google.com/drive/folders/1ocvNYQzcBrtUfCOiKniYWP_A2wHZA1GJ?usp=sharing)  [**Standard II**](https://drive.google.com/file/d/1KiaP8lwxrahkWyv1Rj02NlHpjoJqxQqO/view?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Contexts for Mathematics**   * Historical Development of Mathematical Ideas * Mathematical Applications in Fields Related to   Mathematics   * Precise Communication of Mathematical Ideas | 15%  Approx 6 questions |  |  |  |
| **Problem Solving and Number**  **Sense**   * Numbers and Operations * Algebra and Functions * Geometry | 45%  Approx 18 questions |  |  |  |
| **Modeling and Analysis**   * Trigonometry * Discrete Mathematics * Data Analysis and Statistics * Calculus | 40%  Approx 16 questions |  |  |  |

**EA Math (cont.)**

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| **Resources recommended by NBCTs who have taken this assessment** | * [CA Mathematics Framework](http://www.cde.ca.gov/ci/ma/cf/draft2mathfwchapters.asp) * [PhET Interactive simulations](http://phet.colorado.edu/) * [Mathematics Instructions for Students with Learning Disabilities or Difficulty Learning Mathematics](http://www.centeroninstruction.org/files/Mathematics%20Instruction%20LD%20Guide%20for%20Teachers.pdf) ● [TEDD – Mathematics](http://tedd.org/?tedd_subject=mathematics)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**AYA Math**

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| [**Standards Content**](https://drive.google.com/drive/folders/1ocvNYQzcBrtUfCOiKniYWP_A2wHZA1GJ?usp=sharing)  [**Standard II**](https://drive.google.com/file/d/1KiaP8lwxrahkWyv1Rj02NlHpjoJqxQqO/view?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Contexts for Mathematics**   * Historical Development of Mathematical Ideas * Mathematical Applications in Fields Related to   Mathematics   * Precise Communication of Mathematical Ideas | 15%  Approx 6 questions |  |  |  |
| **Problem Solving and Number**  **Sense**   * Numbers and Operations * Algebra and Functions * Geometry | 450  Approx 16 questions |  |  |  |
| **Modeling and Analysis**   * Trigonometry * Discrete Mathematics * Data Analysis and Statistics * Calculus | 45%  Approx 18 questions |  |  |  |

**AYA Math (cont.)**

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| **Resources recommended by NBCTs who have taken this assessment** | * [CA Mathematics Framework](http://www.cde.ca.gov/ci/ma/cf/draft2mathfwchapters.asp) * [PhET Interactive simulations](http://phet.colorado.edu/) * [Mathematics Instructions for Students with Learning Disabilities or Difficulty Learning Mathematics](http://www.centeroninstruction.org/files/Mathematics%20Instruction%20LD%20Guide%20for%20Teachers.pdf) ● [TEDD – Mathematics](http://tedd.org/?tedd_subject=mathematics)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**AYA Social Studies-History**

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| [**Standards Content**](https://drive.google.com/file/d/1R-f_PzkTNWXoZ5mTXKdpwPkid_1723c9/view?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Integrating Content (**[**Standard**](https://drive.google.com/file/d/1Ly2cvJSb2OTbK-kmh7MMUOB9fqk02yk_/view?usp=sharing)  [**IV)**](https://drive.google.com/file/d/1Ly2cvJSb2OTbK-kmh7MMUOB9fqk02yk_/view?usp=sharing)   * Instructional Strategies * Resources | 25%  Approx 10 questions |  |  |  |
| **Knowing Content—History**  [**(Standard III)**](https://drive.google.com/file/d/1QLTb3uyODA9YqRTMwIRpPEKF5Tgrbk3d/view?usp=sharing)   * History * World History * United States History | 42%  Approx 17 questions |  |  |  |
| **Knowing Content—Social Studies (**[**Standard III)**](https://drive.google.com/file/d/1QLTb3uyODA9YqRTMwIRpPEKF5Tgrbk3d/view?usp=sharing)   * Economics * Geography * Civics and Government | 33%  Approx 13 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [History - Social Science Framework](http://www.cde.ca.gov/ci/hs/cf/hssfw2ndreview.asp) * [Khan Academy](https://www.khanacademy.org/) * [Suggestions from SFUSD Candidates](https://docs.google.com/document/d/1wm_1PdnYFuPOofOucrLUZAIvkkdY7bRVylAkS9KkS0Y/edit) * [Best of History Websites](http://www.besthistorysites.net/index.php) * [Crash Course World history on Youtube](https://www.youtube.com/watch?v=Yocja_N5s1I&list=PLBDA2E52FB1EF80C9) * [Crash Course Economics](https://www.youtube.com/watch?v=3ez10ADR_gM&list=PL8dPuuaLjXtPNZwz5_o_5uirJ8gQXnhEO)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**AYA Science-Physics**

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| [**Standards Content**](https://drive.google.com/drive/folders/1R4MGaxEOiNbkLnZ2uvxN0_KS-K7Tqwnv?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Science Practices and Context (**[**Standard II)**](https://drive.google.com/file/d/1uGNg91FaCrth7z_6QGvInSDoxAJD-wiQ/view?usp=sharing)   * Nature of Science * Understanding of Inquiry * Context of Science | 20%  Approx 8 questions |  |  |  |
| **Knowledge of Science Content**  [**(Standard II**](https://drive.google.com/file/d/1uGNg91FaCrth7z_6QGvInSDoxAJD-wiQ/view?usp=sharing)**)**   * Earth and Space Science * Life Science * Physical Science Chemistry * Physical Science - Physics | 60%  45% in  speciality  Approx 18 questions  15% from other disciplines  Approx 7 questions |  |  |  |
| **Curriculum, Instruction, and**  **Learning Environment (Standards** [**III,**](https://drive.google.com/file/d/13XIDnzmzrKQyMFxx-L2WkA2svkz925rd/view?usp=sharing)[**V**](https://drive.google.com/file/d/1E_RNW1Q8uz3DDXoEfOKWwNj2eRHizNTg/view?usp=sharing)**)**   * Crosscutting Principles * Assessing and addressing preconceptions * Safety | 20%  Approx 8 questions |  |  |  |

**AYA Science-Physics (cont.)**

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| **Resources recommended by NBCTs who have taken this assessment** | * [A Framework for K-12 Science Education: Practices, Crosscutting Concepts and Core Ideas](http://www.nap.edu/read/13165/chapter/1) ● [TEDD – Science](http://tedd.org/?tedd_subject=science) * [Next Generation Science Standards](http://www.nextgenscience.org/) * [Understanding Science](http://undsci.berkeley.edu/) * [Learning Science](http://www.learningscience.org/) * [PhET Interactive simulations](http://phet.colorado.edu/) * [FOUNDATIONS: A monograph for professionals in science, mathematics, and technology education](http://www.nsf.gov/pubs/2000/nsf99148/start.htm) (EC/MC Gen   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**AYA Science-Chemistry**

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| [**Standards Content**](https://drive.google.com/drive/folders/1R4MGaxEOiNbkLnZ2uvxN0_KS-K7Tqwnv?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Science Practices and Context (**[**Standard II)**](https://drive.google.com/file/d/1uGNg91FaCrth7z_6QGvInSDoxAJD-wiQ/view?usp=sharing)   * Nature of Science * Understanding of Inquiry * Context of Science | 20%  Approx 8 questions |  |  |  |
| **Knowledge of Science Content**  [**(Standard II**](https://drive.google.com/file/d/1uGNg91FaCrth7z_6QGvInSDoxAJD-wiQ/view?usp=sharing)**)**   * Earth and Space Science * Life Science * Physical Science Chemistry * Physical Science - Physics | 60%  45% in  speciality  Approx 18 questions  15% from other disciplines  Approx 6 questions |  |  |  |
| **Curriculum, Instruction, and**  **Learning Environment (Standards** [**III,**](https://drive.google.com/file/d/13XIDnzmzrKQyMFxx-L2WkA2svkz925rd/view?usp=sharing)[**V**](https://drive.google.com/file/d/1E_RNW1Q8uz3DDXoEfOKWwNj2eRHizNTg/view?usp=sharing)**)**   * Crosscutting Principles * Assessing and addressing preconceptions * Safety | 20%  Approx 8 questions |  |  |  |

**AYA Science-Chemistry (cont.)**

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| **Resources recommended by NBCTs who have taken this assessment** | * [A Framework for K-12 Science Education: Practices, Crosscutting Concepts and Core Ideas](http://www.nap.edu/read/13165/chapter/1) ● [TEDD – Science](http://tedd.org/?tedd_subject=science) * [Next Generation Science Standards](http://www.nextgenscience.org/) * [Understanding Science](http://undsci.berkeley.edu/) * [Learning Science](http://www.learningscience.org/) * [PhET Interactive simulations](http://phet.colorado.edu/) * [FOUNDATIONS: A monograph for professionals in science, mathematics, and technology education](http://www.nsf.gov/pubs/2000/nsf99148/start.htm) (EC/MC Gen   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**ECYA Exceptional Needs Specialist**

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| [**Standards Content**](https://drive.google.com/drive/folders/1huuar1qYX6A7WTDQAXdr2MsdYzpZydfo?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Students and**  **Knowledge of Philosophy, History and Law (Standards** [**I**](https://drive.google.com/file/d/1SpznUEFI0M8vXwdaVUu0ZkSXq6QSmTqh/view?usp=sharingZmakkQLuddjyUw-7/view?usp=sharing) **and** [**II)**](https://drive.google.com/file/d/1Ysrft3p0GgQCGw-N6BPVKeiSl6iJ78tS/view?usp=sharing)   * Child Growth and Development * Effective Advocacy: Knowledge of Philosophy,   History, and Law   * Exemplifying High Ethical Ideals | 20%  Approx  8 questions |  |  |  |
| **Diversity and Family**  **Partnerships (Standards** [**III**](https://drive.google.com/file/d/1JLbBiRxEmDK0jEK_AE07RnJ_gm6LgfXP/view?usp=sharing)[**a**](https://drive.google.com/file/d/1JLbBiRxEmDK0jEK_AE07RnJ_gm6LgfXP/view?usp=sharing)**nd**  [**IV)**](https://drive.google.com/file/d/1hHgOlSOGc-F_7WtdJBHKkHk6Ykt1Ok-J/view?usp=sharing)   * Creating Equitable, Fair, and Diverse Environments * Ensuring Access to Quality Learning Experiences * Collaborating with Parents to Support Students’   Education | 20%  Approx 8 questions |  |  |  |
| **Communication and Social**  **Development and Behavior**  **(Standards** [**VI**](https://drive.google.com/file/d/1gShwSYeari1Y1ZNA1uyJ72bYeDlZlPvV/view?usp=sharing)[**a**](https://drive.google.com/file/d/1gShwSYeari1Y1ZNA1uyJ72bYeDlZlPvV/view?usp=sharing)**nd** [**VII)**](https://drive.google.com/file/d/1LaD70GgLfgVmQ1cywvAImFUMJ9evxLm7/view?usp=sharing)   * Understanding Language   Acquisition and  Development   * Using Unique Strategies to Develop Communication | 30%  Approx 12 questions |  |  |  |

**ECYA Exceptional Needs Specialist (cont.)**

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| Skills   * Collaborating with Others to   Facilitate Student  Language Development   * Teaching and Fostering   Social Skills   * Developing Students’ Self-Confidence and   Self-Determination   * Fostering and Supporting Positive Behavior |  |  |  |  |
| **Assessment and Curriculum and**  **Instruction (Standards** [**V**](https://drive.google.com/file/d/1gShwSYeari1Y1ZNA1uyJ72bYeDlZlPvV/view?usp=sharing)[**a**](https://drive.google.com/file/d/1gShwSYeari1Y1ZNA1uyJ72bYeDlZlPvV/view?usp=sharing)**nd** [**VIII**](https://drive.google.com/file/d/1pumEg3Z9tYKWvVGvSq4EngJGM7GtZ6cd/view?usp=sharing)**)**   * Using Diverse Assessment   Methods for Different  Purposes   * Academic Core Curriculum   – Literacy   * Individualizing Curriculum and Integrating Life Skills   Development Across  Disciplines, Contexts, and Settings   * Fostering Student Transitions and Career   Development | 30%  Approx 12 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [Community Alliance for Special Education](http://www.caseadvocacy.org/) * [The Individuals with Disabilities Education Act (IDEA)](http://idea.ed.gov/) * [Additional resources from SFUSD Candidates](https://docs.google.com/a/t.sfusd.edu/document/d/1Okya8D-NSyNaT4pIzMZbzDri5YKXl1Ycufr4K8dpwhs/edit)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit) | | | |

**ECYA Exceptional Needs Specialist (cont.)**

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|  | These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**EAYA Art**

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| [**Standards Content**](https://drive.google.com/drive/folders/1Az6cJYNkwzaST4Ri9Jks1eWlT6fV_ZQA?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Art Education (Standards** [**I,**](https://drive.google.com/file/d/1Bd9KZu_hAj6dLmUL8NhTNd-PZNorXXkZ/view?usp=sharing)[**III,**](https://drive.google.com/file/d/1XSUKCgp_C1Y8eOBKy0vNqcvRiIetEa0y/view?usp=sharing)[**V,**](https://drive.google.com/file/d/1E7Nejw-5ivl-I3yudPZvxgHHoeRpxuWG/view?usp=sharing)[**VIII)**](https://drive.google.com/file/d/1a21kcV9V4G9hO4832UDo3vZ87imDi3TS/view?usp=sharing)   * Goals of Art Education * Reflecting on the Goals of Art Education in Order to Make   Principled Decisions about Practice   * Art Education Goals in Relation to Other Disciplines in the   Curriculum   * Goals of General Education and Lifelong Learning * Making Connections to the Cultures of Communities * Curriculum Design * Building Curriculum on the Goals of Art Education * The Complex Nature of Teaching Art * Using a Range of Instructional Strategies * Helping Students Make Art While Teaching How and Why   Works of Art Are Made   * Helping Students Experience and Understand Art * Creating and Maintaining Healthy and Safe Learning   Environments | 35%  Approx  14questions |  |  |  |
| **Content and Creation of Art**  [**(Standard IV)**](https://drive.google.com/file/d/1qUmiqnE0UCaoTEqTKBTsnhJ7kSJVzANg/view?usp=sharing)  ● Art Forms and Forming | 35%  Approx |  |  |  |

**EAYA Art (cont.)**

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| Processes   * Influence of Technology on Art * Form, Qualities, and Styles of Art * Ideational Aspects of Art | 14questions |  |  |  |
| **Study of Art (**[**Standard IV)**](https://drive.google.com/file/d/1qUmiqnE0UCaoTEqTKBTsnhJ7kSJVzANg/view?usp=sharing)Complex   * Attributes of Works of Art * Contexts of Art * Theories and Philosophies of Art | 30%  Approx 12 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [CA Visual & Performing Arts Framework](http://www.cde.ca.gov/ci/cr/cf/documents/vpaframewrk.pdf) * [Creativity at the Core](http://ccsesaarts.org/creativity-at-the-core/about-creativity-at-the-core/) * [National Core Arts Standards](http://www.nationalartsstandards.org/) * [The Arts and Common Core](https://nccas.wikispaces.com/file/view/Arts+and+Common+Core+-+final+report.pdf) * [The J. Paul Getty Museum-Resources](http://www.getty.edu/education/teachers/classroom_resources/index.html)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**EAYA English as a New Language**

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| [**Standards Content**](https://drive.google.com/file/d/1GubXsp9awDX7WXFAKDDX1BLZ_bJ3Z9OV/view?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Culture and Diversity (**[**Standard II)**](https://drive.google.com/file/d/1s5Khoeyqv5pOOttA3fisLuSNWJttYxc6/view?usp=sharing)   * Knowledge and   Understanding of Culture and Diversity Culturally  Responsive Learning  Environments   * Student Advocacy | 20%  Approx  8questions |  |  |  |
| **Knowledge of the English Language (**[**Standard IV)**](https://drive.google.com/file/d/1o2_mOkexuY6euYBA3g-327A4o3XyZu3S/view?usp=sharing)   * Listening * Speaking * Reading * Writing * Phonology * Vocabulary * Grammar Discourse * Social English Language * Academic English Language | 25%  Approx 10 questions |  |  |  |
| **Knowledge of English Language Acquisition (**[**Standard V)**](https://drive.google.com/file/d/1CB9RavCx7j5VSl8f2L_vU459BSKpGGEr/view?usp=sharing)   * Language Exposure * Language Awareness * Interaction and Practice ● Interdependence of Language and Content * Interdependence of   Reading, Writing,  Speaking, Listening, and | 40%  Approx 16 questions |  |  |  |

**EAYA English as a New Language (cont.)**

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| Visual Literacy   * Explicit Instruction * Instructional Feedback Language * Transfer Educational Background * Culture and Socioeconomic Variables * Age and Length of Time in the United States * Other Factors Affecting Language Development * Myths and Misconceptions about English Language   Acquisition |  |  |  |  |
| **Assessment (**[**Standard VII)**](https://drive.google.com/file/d/1jQuF-iU5h5BCFOtlWnKLiVXY735q2BvM/view?usp=sharing) **Variety in Assessment**   * Techniques * Initial Placement   Assessment | 15% |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [CA ELA/ELD Framework](http://www.cde.ca.gov/ci/rl/cf/elaeldfrmwrksbeadopted.asp) * [Lit-Centric Resource Page](http://litcentric.com/blog/?page_id=380) * [Literacy Resources](https://docs.google.com/document/d/1vMuu2TI0pvBgKWEYfDVWWo5URVfrvMEnfyQcXfB_KMQ/edit) * [TEDD – English Language Arts](http://tedd.org/?tedd_subject=literacy)   [Full list for all certificate areas\](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**AYA Science - Biology**

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| [**Standards Content**](https://drive.google.com/drive/folders/1R4MGaxEOiNbkLnZ2uvxN0_KS-K7Tqwnv?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Science Practices and Context (**[**Standard II)**](https://drive.google.com/file/d/1uGNg91FaCrth7z_6QGvInSDoxAJD-wiQ/view?usp=sharing)   * Nature of Science * Understanding of Inquiry * Context of Science | 20%  Approx 8 questions |  |  |  |
| **Knowledge of Science Content**  [**(Standard II**](https://drive.google.com/file/d/1uGNg91FaCrth7z_6QGvInSDoxAJD-wiQ/view?usp=sharing)**)**   * Earth and Space Science * Life Science * Physical Science Chemistry * Physical Science - Physics | 60%  45% in speciality  Approx 18 questions  15% from other disciplines  Approx 6 questions |  |  |  |
| **Curriculum, Instruction, and**  **Learning Environment (Standards** [**III,**](https://drive.google.com/file/d/13XIDnzmzrKQyMFxx-L2WkA2svkz925rd/view?usp=sharing)[**V**](https://drive.google.com/file/d/1E_RNW1Q8uz3DDXoEfOKWwNj2eRHizNTg/view?usp=sharing)**)**   * Crosscutting Principles * Assessing and addressing preconceptions * Safety | 20%  Approx 8 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [A Framework for K-12 Science Education: Practices, Crosscutting Concepts and Core Ideas](http://www.nap.edu/read/13165/chapter/1) ● [TEDD – Science](http://tedd.org/?tedd_subject=science) * [Next Generation Science Standards](http://www.nextgenscience.org/) * [Understanding Science](http://undsci.berkeley.edu/) * [Learning Science](http://www.learningscience.org/) * [PhET Interactive simulations](http://phet.colorado.edu/) | | |  |

**AYA Science - Biology (cont.)**

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|  | ● [FOUNDATIONS: A monograph for professionals in science, mathematics, and technology education](http://www.nsf.gov/pubs/2000/nsf99148/start.htm) (EC/MC Gen  [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**EMC Art**

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| [**Standards Content**](https://drive.google.com/drive/folders/19XfiU38q8L0CpBGjRgbxZy7HtvgeHLwp?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Art Education (Standards** [**I,**](https://drive.google.com/file/d/11KiNCv94MTVZ9lkx4wb9Min0YHDAWHOn/view?usp=sharing)[**III,**](https://drive.google.com/file/d/1kCsg0hhNId8DzWSPemaPCCDC4OOVRDtV/view?usp=sharing)[**V,**](https://drive.google.com/file/d/15yDBJ1VyKz6DGmLJ1v7bMHs5lfCKrS3T/view?usp=sharing)  [**VII**](https://drive.google.com/file/d/1rHK6UlBr4j8cu_kt7adMtzUWS2aZQLds/view?usp=sharing)**)**   * Goals of Art Education * Reflecting on the Goals of Art Education in Order to Make Principled Decisions about Practice * Art Education Goals in   Relation to Other  Disciplines in the  Curriculum   * Goals of General Education and Lifelong Learning * Making Connections to the Cultures of Communities * Guarding Against Bias and Stereotype * Building Curriculum on the Goals of Art Education * Creating and Maintaining Healthy and Safe Learning   Environments | 35%  Approx  14 questions |  |  |  |
| **Content of Art and Art Making** [**(Standard IV)**](https://drive.google.com/file/d/1f1uU3UAd0pCtDt9-0bcWRDD43j3rooht/view?usp=sharing)   * Art Making * Technology * Art Criticism * Art History * Aesthetics | 35%  Approx  14 questions |  |  |  |
| **Complex Attributes of Works of** | 30% |  |  |  |

**EMC Art (cont.)**

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| **Art (**[**Standard IV)**](https://drive.google.com/file/d/1f1uU3UAd0pCtDt9-0bcWRDD43j3rooht/view?usp=sharing)   * Classification of Art Forms and Types * Expressive Qualities of Art * Universal Themes or Ideas * Context of Art | Approx  12 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [CA Visual & Performing Arts Framework](http://www.cde.ca.gov/ci/cr/cf/documents/vpaframewrk.pdf) * [Creativity at the Core](http://ccsesaarts.org/creativity-at-the-core/about-creativity-at-the-core/) * [National Core Arts Standards](http://www.nationalartsstandards.org/) * [The Arts and Common Core](https://nccas.wikispaces.com/file/view/Arts+and+Common+Core+-+final+report.pdf) * [The J. Paul Getty Museum-Resources](http://www.getty.edu/education/teachers/classroom_resources/index.html)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**AYA English Language Arts**

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| [**Standards Content**](https://drive.google.com/drive/folders/1K6_Jb7Aa8LNrypFWkoMcSrw4OOoepQio?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Reading and Viewing (**[**Standard**](https://drive.google.com/file/d/1waye8fKF2IOeQGQNZQ_2kIJs-BYEanoT/view?usp=sharing)  [**V)**](https://drive.google.com/file/d/1waye8fKF2IOeQGQNZQ_2kIJs-BYEanoT/view?usp=sharing)   * The purposes of reading * Genres * Instructional strategies for reading and viewing | 40%  Approx 16 questions |  |  |  |
| **Writing and Producing** [**(Standard VI)**](https://drive.google.com/file/d/15iVzN6i8OT2RCEKZ4G0sQ7BoCsDSRxX0/view?usp=sharing)   * Knowledge about writing and producing * Instructing students in writing and producing * Resources for writing and producing * Assessment of writing and producing | 40%  Approx 16 questions |  |  |  |
| **Speaking and Listening; Language Study (Standards** [**VII**](https://drive.google.com/file/d/1KUpWeQNVZyzu_DLGCSpk5M8q07fPtqPd/view?usp=sharing)  **and** [**VIII)**](https://drive.google.com/file/d/1tT_6YdM_zRhqoFhroXp9Fl7jFbm5MivP/view?usp=sharing)   * Pedagogy and strategies for teaching speaking and   listening   * Integration of speaking and listening with other strands of English language arts * The evolving nature of the English language * Language in context * Instructional approaches in the study of the English | 20%  Approx 8 questions |  |  |  |

**AYA English Language Arts (cont.)**

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| language |  |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [CA ELA/ELD Framework](http://www.cde.ca.gov/ci/rl/cf/elaeldfrmwrksbeadopted.asp) * [Lit-Centric Resource Page](http://litcentric.com/blog/?page_id=380) * [Literacy Resources](https://docs.google.com/document/d/1vMuu2TI0pvBgKWEYfDVWWo5URVfrvMEnfyQcXfB_KMQ/edit) * [TEDD – English Language Arts](http://tedd.org/?tedd_subject=literacy)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**EAYA Health**

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| [**Standards Content**](https://drive.google.com/drive/folders/16g4lZQaQcVjUSsPW0Yc_Yuox8z2augjq?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Subject**  **Matter/Personal Health**  [**(Standard II**](https://drive.google.com/file/d/1wtG0cG6L9pVvMu96dQ_qPsqq5zeQ_RhP/view?usp=sharing)**)**   * Personal Health * Nutrition * Prevention and Control of Disease * Mental and Emotional Health Substance Use and   Abuse | 25%  Approx 10 questions |  |  |  |
| **Knowledge of Subject**  **Matter/Environmental and**  **Consumer Health (**[**Standard II)**](https://drive.google.com/file/d/1wtG0cG6L9pVvMu96dQ_qPsqq5zeQ_RhP/view?usp=sharing)   * Injury Prevention and Safety * Consumer Health Environmental Health * Dynamic, Relevant, and Practical Knowledge for   Teaching Health Education | 20%  Approx 8 questions |  |  |  |

**EAYA Health (cont.)**

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| **Skills-based Learning/The Individual (**[**Standard III)**](https://drive.google.com/file/d/11rV5ysSRbByC4w5bxC47BLCmiaxviXBI/view?usp=sharing)   * Goal-setting * Decision-making   Problem-solving skills   * Stress management   Identification and evaluation of and access to health information and health-promoting products and services | 25%  Approx 10 questions |  |  |  |
| **Skills-based**  **Learning/Interacting with Others** [**(Standard III)**](https://drive.google.com/file/d/11rV5ysSRbByC4w5bxC47BLCmiaxviXBI/view?usp=sharing)   * Interpersonal communication * Strategies to resolve   conflicts   * Effective ways to influence and support others in making positive health   choices   * Refusal skills * Assertiveness * Negotiation and collaboration techniques * Influence of various factors such as peers, cultural beliefs, the media, and technology on health | 30%  Approx 12 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | ● [CA Health Framework](http://www.cde.ca.gov/ci/cr/cf/documents/healthfw.pdf)  [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit) | | | |

**EAYA Health (cont.)**

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|  | These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**EMC Literacy/Reading-Language Arts**

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| [**Standards Content**](https://drive.google.com/drive/folders/1lRVmdVZeUl0VNy5IdcsZMwxM1tbslbuv?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Learners and**  **Collaborating with Families (Standards** [**I,**](https://drive.google.com/file/d/1ajGLGcQ4j4WTlB-Hy3eh0SHKQP7IjmcO/view?usp=sharing)[**XII**](https://drive.google.com/file/d/1RiW2xFkQvCBsAWogi3axa6bMcFnR5Rwz/view?usp=sharing)**)**   * Knowing Each Student as   an Intellectual, Social, Emotional, Cultural, and Language Learner   * Understanding Learning and Child Development   Theories   * Assisting Families in Supporting Their Children's   Learning Development | 20%  Approx 8 questions |  |  |  |
| **Equity, Fairness, and Diversity; the Learning Environment; and Literacy Assessment (Standards**  [**II,**](https://drive.google.com/file/d/1ajGLGcQ4j4WTlB-Hy3eh0SHKQP7IjmcO/view?usp=sharing)[**III,**](https://drive.google.com/file/d/1FT6hDsScK-iX7cYgkMIscHvPvzOlO_ZB/view?usp=sharing)[**IV,**](https://drive.google.com/file/d/1SUzYELZFwAEvnpSwZmakkQLuddjyUw-7/view?usp=sharing)[**V**](https://drive.google.com/file/d/1vwIEVF86BWaaZ5yU7cNb4Q8i5rYqtDg8/view?usp=sharing)**)**   * Promoting Fairness and Equity Establishing the   Intellectual Environment   * Selecting Resources * Knowledge of Assessment and Selecting and   Administering Assessments | 25%  Approx 10 questions |  |  |  |

**EMC Literacy/Reading-Language Arts (cont.)**

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| **Reading and Writing (Standards**  [**VI**](https://drive.google.com/file/d/1cLH9PlH2U520fDS9qAUcJVasJ283ZItW/view?usp=sharing) **and** [**VII)**](https://drive.google.com/file/d/1rj_gl9-qv1NeO6Ei57QNevJK-rPWJ_Qy/view?usp=sharing)   * Knowledge and Instruction of Reading * Knowledge and Instruction of Writing * Connections of Reading and Writing to the Other Language Arts and to Other   Discipline | 20%  Approx 8 questions |  |  |  |
| **Listening and Speaking; Viewing and Visual Literacy (Standards**  [**VIII**](https://drive.google.com/file/d/1p6vmS_9lz0E7fevZmSv4KR1xT-3lIaOL/view?usp=sharing) **and** [**IX)**](https://drive.google.com/file/d/1r0NQRgC2M5onYOkoSNYROaUEJCLJeNvq/view?usp=sharing)   * Knowledge and Instruction of Listening and Speaking * Knowledge and Instruction of Viewing and Visual   Literacy | 35%  Approx 14 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | ● [Suggestions from SFUSD Candidate](https://docs.google.com/document/d/1Hy0JQN2YjcQ_4d9Uobnwut0ksQsyDQLo_Vby-bKJihM/edit?usp=sharing)  [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**EA Science**

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| [**Standards Content**](https://drive.google.com/drive/folders/1R4MGaxEOiNbkLnZ2uvxN0_KS-K7Tqwnv?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Science Practices and Context (**[**Standard II)**](https://drive.google.com/file/d/1uGNg91FaCrth7z_6QGvInSDoxAJD-wiQ/view?usp=sharing)   * Nature of Science * Understanding of Inquiry * Context of Science | 30%  Approx 12 questions |  |  |  |
| **Knowledge of Science Content**  [**(Standard II**](https://drive.google.com/file/d/1uGNg91FaCrth7z_6QGvInSDoxAJD-wiQ/view?usp=sharing)**)**   * Earth and Space Science * Life Science * Physical Science | 50%  Approx 20 questions |  |  |  |
| **Curriculum, Instruction, and**  **Learning Environment (Standards** [**III,**](https://drive.google.com/file/d/13XIDnzmzrKQyMFxx-L2WkA2svkz925rd/view?usp=sharing)[**V**](https://drive.google.com/file/d/1E_RNW1Q8uz3DDXoEfOKWwNj2eRHizNTg/view?usp=sharing)**)**   * Crosscutting Principles * Assessing and addressing preconceptions * Safety | 20%  Approx 8 questions |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [A Framework for K-12 Science Education: Practices, Crosscutting Concepts and Core Ideas](http://www.nap.edu/read/13165/chapter/1) ● [TEDD – Science](http://tedd.org/?tedd_subject=science) * [Next Generation Science Standards](http://www.nextgenscience.org/) * [Understanding Science](http://undsci.berkeley.edu/) * [Learning Science](http://www.learningscience.org/) * [PhET Interactive simulations](http://phet.colorado.edu/) * [FOUNDATIONS: A monograph for professionals in science, mathematics, and technology education](http://www.nsf.gov/pubs/2000/nsf99148/start.htm) (EC/MC Gen   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit) | | |  |

**EA Science (cont.)**

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|  | These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**EMC English as a New Language**

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| [**Standards Content**](https://drive.google.com/drive/folders/1g1cafauH1Dm6zLOPveXoxCDWOe4KPuRy?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Culture and Diversity** [**(Standard II)**](https://drive.google.com/file/d/1s5Khoeyqv5pOOttA3fisLuSNWJttYxc6/view?usp=sharing)   * Knowledge and   Understanding of Culture and Diversity Culturally   * Responsive Learning Environments * Student Advocacy | 20%  Approx  8questions |  |  |  |
| **Knowledge of the English Language (**[**Standard IV)**](https://drive.google.com/file/d/1o2_mOkexuY6euYBA3g-327A4o3XyZu3S/view?usp=sharing)   * Listening * Speaking * Reading * Writing * Phonology * Vocabulary * Grammar * Discourse * Social English Language   Academic English  Language | 25%  Approx 10 questions |  |  |  |
| **Knowledge of English Language Acquisition (**[**Standard V)**](https://drive.google.com/file/d/1CB9RavCx7j5VSl8f2L_vU459BSKpGGEr/view?usp=sharing)   * Language Exposure * Language Awareness * Interaction and Practice ● Interdependence of Language and Content * Interdependence of | 40%  Approx 16 questions |  |  |  |

**EMC English as a New Language (cont.)**

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| Reading, Writing,  Speaking, Listening, and  Visual Literacy   * Explicit Instruction * Instructional Feedback * Language Transfer * Educational Background * Culture and Socioeconomic Variables * Age and Length of Time in the United States * Other Factors * Affecting Language Development * Myths and Misconceptions about English Language   Acquisition |  |  |  |  |
| **Assessment (**[**Standard VII)**](https://drive.google.com/file/d/1jQuF-iU5h5BCFOtlWnKLiVXY735q2BvM/view?usp=sharing)   * Variety in Assessment Techniques * Initial Placement   Assessment | 15% |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [SFUSD Multilingual Pathways website](https://www.sfusdmultilingualpathways.org/) * [Instructional Models and Strategies for Teaching English Language Learners](http://www.centeroninstruction.org/files/Instructional%20Models%20for%20ELLs.pdf) [- Practical Guidelines for the Education of English Language Learners](https://www2.ed.gov/about/inits/ed/lep-partnership/newcomers.pdf) ● [Research-Based Recommendations for Serving Adolescent Newcomers](https://www2.ed.gov/about/inits/ed/lep-partnership/newcomers.pdf) ● [TEDD – English Language Learners](http://tedd.org/?tedd_subject=english-language-learners)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**AYA Science-Earth/Space**

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| [**Standards Content**](https://drive.google.com/drive/folders/1R4MGaxEOiNbkLnZ2uvxN0_KS-K7Tqwnv?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Knowledge of Science Practices and Context (**[**Standard II)**](https://drive.google.com/file/d/1uGNg91FaCrth7z_6QGvInSDoxAJD-wiQ/view?usp=sharing)   * Nature of Science * Understanding of Inquiry * Context of Science | 20%  Approx 8 questions |  |  |  |
| **Knowledge of Science Content**  [**(Standard II**](https://drive.google.com/file/d/1uGNg91FaCrth7z_6QGvInSDoxAJD-wiQ/view?usp=sharing)**)**   * Earth and Space Science * Life Science * Physical Science Chemistry * Physical Science - Physics | 60%  45% in  speciality  Approx 18 questions  15% from other disciplines  Approx 6 questions |  |  |  |
| **Curriculum, Instruction, and**  **Learning Environment (Standards** [**III,**](https://drive.google.com/file/d/13XIDnzmzrKQyMFxx-L2WkA2svkz925rd/view?usp=sharing)[**V**](https://drive.google.com/file/d/1E_RNW1Q8uz3DDXoEfOKWwNj2eRHizNTg/view?usp=sharing)**)**   * Crosscutting Principles * Assessing and addressing preconceptions * Safety | 20%  Approx 8 questions |  |  |  |

**AYA Science-Earth/Space (cont.)**

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| **Resources recommended by NBCTs who have taken this assessment** | * [A Framework for K-12 Science Education: Practices, Crosscutting Concepts and Core Ideas](http://www.nap.edu/read/13165/chapter/1) ● [TEDD – Science](http://tedd.org/?tedd_subject=science) * [Next Generation Science Standards](http://www.nextgenscience.org/) * [Understanding Science](http://undsci.berkeley.edu/) * [Learning Science](http://www.learningscience.org/) * [PhET Interactive simulations](http://phet.colorado.edu/) * [FOUNDATIONS: A monograph for professionals in science, mathematics, and technology education](http://www.nsf.gov/pubs/2000/nsf99148/start.htm) (EC/MC Gen   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. |

**MC Generalist**

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| [**Standards Content**](https://drive.google.com/drive/folders/1taK5GLrngqMRhAg_QCzI-97eKwrFYJPH?usp=sharing)  [**(Standard IV)**](https://drive.google.com/file/d/1a4B7DEBNVJa-koVxGMF6vnHSk2Lw0_VA/view?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **English Language Arts, the Arts, and Health and Wellness**   * Balanced Literacy * Choosing Texts * Analyzing Texts * Value and Purposes of Visual and Performing Arts through CrossCurricular   Contexts   * Health Enhancing Skills | 30%  Approx 12 questions |  |  |  |
| **Science and Mathematics** ● Number Sense and  Algebraic Thinking   * Geometry * Data Analysis Knowledge of Science Domains: Life, Earth/Space, and Physical   Sciences   * Vocabulary of Science ● Misconceptions and   Evolution of Scientific  Thinking   * Science Tools, Models, and   Representations and  Engineering Design  Principles | 35%  Approx 14 questions |  |  |  |
| **Social Studies**  ● Knowledge of Social Studies Content: History,  Geography,  Civics/Government, | 35%  Approx 14 questions |  |  |  |

**MC Generalist (cont.)**

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| Economics   * Themes of Social Studies * Primary and Secondary Sources and Critical   Thinking in Social Studies |  |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | Please see content specific resources  [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**EC Generalist**

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| [**Standards Content**](https://drive.google.com/drive/folders/1f6jUBEraJzTXuxXZckWwwtSKjm9WFcNG?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Child Development, Equity,**  **Fairness, and Appreciation of Diversity (Standards** [**I,**](https://drive.google.com/file/d/13M5R6M7DBonwLiac1EyVBnCUBTc-0m3P/view?usp=sharing)[**III)**](https://drive.google.com/file/d/13M5R6M7DBonwLiac1EyVBnCUBTc-0m3P/view?usp=sharing)   * Fostering Cognitive Development * Fostering Language Development * Fostering Moral and Ethical Development * Knowledge, Skills, and   Dispositions Related to  Equity, Fairness, and  Diversity | 20%  Approx 12 questions |  |  |  |
| **Knowing and Integrating Subject**  **Matter: Language and Literacy,**  **Technology, Resources (Standards** [**IV**](https://drive.google.com/file/d/1Dk4AheWLF8Yo5EebGIjN-6ELLEBULqLB/view?usp=sharing)**,** [**VI)**](https://drive.google.com/file/d/1UqpyBTjSIZ9Ok4PTlxhGEqSHPDpDqoqY/view?usp=sharing)   * Language and Literacy Listening and Speaking   Writing   * Technology * Learning Materials and Resources | 25%  Approx  14questions |  |  |  |
| **Knowing and Integrating Subject**  **Matter: Science, Social Studies,**  **Arts, Health, Physical Education** [**(Standard IV)**](https://drive.google.com/file/d/1Dk4AheWLF8Yo5EebGIjN-6ELLEBULqLB/view?usp=sharing)   * Science * Social Studies * Visual Arts, Music, and   Drama Health and | 35%  Approx 14 questions |  |  |  |

**EC Generalist (cont.)**

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| Physical Education |  |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | Please see content specific resources  [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |

**EAYA Physical Education**

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| [**Standards Content**](https://drive.google.com/drive/folders/1E-VSl_Wv0xjld24pI0ELzMyRAYySXY9o?usp=sharing) | **% & #** | **Read Standards and Take Notes** | **Self-Assessment:**  **What are areas that you need to study/learn more about?** | **Resources: What are some resources you can turn to study/learn more?** |
| **Exercise Science (**[**Standard II)**](https://drive.google.com/file/d/1QJI96h4r6RSf6IDdbnaFc47Rj8MvLJ9b/view?usp=sharing)   * Major muscle groups and functions * Biomechanical principles * Effects of physical activity on the human body, and exercise heart rate and recovery heart rate | 35%  Approx 14 questions |  |  |  |
| **Motor Development, Motor Learning, and Movement Forms**  **in Context (**[**Standard II)**](https://drive.google.com/file/d/1QJI96h4r6RSf6IDdbnaFc47Rj8MvLJ9b/view?usp=sharing)   * Progression from beginning to mature motor patterns, including fine and gross motor skills * Developmentally appropriate movements and progressions * Critical elements that promote skill acquisition * Developmentally appropriate scope and sequence of movement forms | 35%  Approx  14questions |  |  |  |
| **Physical Activity and Wellness;**  **Legal and Safety Issues (Standards** [**II,**](https://drive.google.com/file/d/1QJI96h4r6RSf6IDdbnaFc47Rj8MvLJ9b/view?usp=sharing) **IV)**   * Health- and skill-related components of physical activity * FITT Principle guidelines | 30%  Approx 12 questions |  |  |  |

**EAYA Physical Education (cont.)**

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| and principles of exercise   * Basic nutrition principles and guidelines * Comprehensive fitness, including hypokinetic conditions and the effect of behavioral choices on personal well- being * Legal and safety issues, including applicable laws and initiatives related to the successful participation of all students, including   students with exceptionalities |  |  |  |  |
| **Resources recommended by NBCTs who have taken this assessment** | * [CA Physical Education Framework](http://www.cde.ca.gov/ci/pe/cf/documents/peframework2009.pdf) * [Concepts and Principles of Physical Education, What Every Student Needs to Know by Bonnie Mohnsan.](http://www.amazon.com/Concepts-Principles-Physical-Education-Student/dp/0883147440)   [Full list for all certificate areas](https://docs.google.com/document/d/1NF25vBXQYvaqmUy2Gf6fuhcaJfHi7o7j22E_BMJQ9rA/edit)  These resources have been suggested by teachers who have pursued National Board Certification. They are not endorsed by the National Board for Professional Teaching Standards. | | | |