

New Business Item 22-82

Introduced March 24, 2023

Approved March 24, 2023

TITLE: HTSB Approval of Updated Praxis Licensure Exams

The Hawaii Teacher Standards Board approves the following updates to the following Praxis exams:

Title to be Discontinued	Date of Last Admin.	Replacement Test	New Test Available
Biology: Content Knowledge (5235)	Aug. 2023	Biology (5236)	Available now
Chemistry: Content Knowledge (5245)	Aug. 2023	Chemistry (5246)	Available now
Earth and Space Sciences: Content Knowledge (5571)	Aug. 2023	Earth and Space Sciences (5572)	Available now
General Science: Content Knowledge (5435)	Aug. 2023	General Science (5436)	Available now
Library Media Specialist (5311)	Aug. 2023	School Librarian (5312)	Available now
Physics: Content Knowledge (5265)	Aug. 2023	Physics (5266)	Available now
Professional School Counselor (5421)	Aug. 2023	School Counselor (5422)	Available now

- Effective immediately, HTSB will accept passing scores for the above replacement tests.
- HTSB will accept passing scores of the above Praxis exams that will be discontinued on August 1, 2023, up until July 31, 2023.
- HTSB will notify its State Approved Teacher Education Providers (SATEP) of the updated Praxis exams.

Rationale/Background:

[The Educational Testing Service \(ETS\)](#) keeps the content of the Praxis tests up to date and aligned with professionally accepted standards. Tests are reviewed annually. They involve stakeholders in this process by asking them to nominate teachers and teacher educators to serve on Test Development Standing Committees and National Advisory Committees (NACs).

ETS actively recruits educators, educators from educational preparation programs at universities and colleges, organizational representation, and other stakeholders with the content and teaching backgrounds from across the nation.

See attached reports for each replacement content test.

Submitted by: Branden Kawazoe

Referred to: Teacher Education Committee



Purpose:

- To address the new national science standards

Standards:

- 2020 National Science Teacher Association (NSTA) Teacher Preparation Standards, now including the new Next Generation Science Standards (NGSS)
- State science standards were also considered

Overall Design Changes:

- One half or more of the test questions now integrate a Science and Engineering Practice from the Next Generation Science Standards. The previous test included questions that integrated only some of the Science and Engineering Practices and did not have a prescribed percentage included in the test specifications.
- One quarter to one third of the test questions now assess content applied to a Task of Teaching of Science. This change does not include science pedagogy.

Weightings:

- Biology topics are much the same as the previous test. However, Category I, which includes biology topics from II thru V, but in a different context, was given less weight, and more weight was given to Categories II, III, and V.
- Number of Score Categories were reduced from six to five with some changes in weighting of content

%	5236 Biology	%	5235 Biology
13%	I. Nature and Impact of Science and Engineering	24%	I. Nature of Science: Scientific Inquiry, Methodology, Techniques, and History VI. Science, Technology, and Social Perspectives
22%	II. Cell Biology: Cell Structure and Function	20%	II. Molecular and Cellular Biology
26%	III. Genetics and Evolution	20%	III. Genetics and Evolution
20%	IV. Diversity of Life and Organismal Biology	20%	IV. Diversity of Life and Organismal Biology
19%	V. Ecology: Organisms and Environment	16%	V. Ecology: Organisms and Environments

Time:

- The timing of the test remains at 2 hours and 30 minutes.

Organizations involved in the Redesign Work: National Science Teacher Association (NSTA)



Purpose:

- To address new national science standards

Standards:

- 2020 National Science Teacher Association (NSTA) Teacher Preparation Standards, now including the new Next Generation Science Standards (NGSS)
- State science standards were also considered

Overall Design Changes:

- One half or more of the test questions now integrate a Science and Engineering Practice from the Next Generation Science Standards. The previous test included questions that integrated only some of the Science and Engineering Practices and did not have a prescribed percentage included in the test specifications.
- One quarter to one third of the test questions now assess content applied to a Task of Teaching of Science. This change does not include science pedagogy.

Weightings:

- Chemistry topics are much the same as the previous test. However, Category I, which includes chemistry topics from II to V, but in a different context, was given less weight, and more weight was given to Categories III, IV and V.
- Number of Score Categories were reduced from seven to five with some changes in weighting of content

%	5246 Chemistry	%	5245 Chemistry
14%	I. Nature and Impact of Science and Engineering	24%	VI. Scientific Inquiry and Social Perspectives of Science VII. Scientific Procedures and Techniques
25%	II. Principles and Models of Matter and Energy	26%	I. Basic Principles of Matter and Energy; Thermodynamics II. Atomic and Nuclear Structure
20%	III. Chemical Composition, Bonding, and Structure	15%	III. Nomenclature; Chemical Composition; Bonding and Structure
23%	IV. Chemical Reactions and Periodicity	20%	IV. Chemical Reactions; Periodicity
18%	V. Solutions and Acid-Base Chemistry	15%	V. Solutions and Solubility; Acid-Base Chemistry

Time:

- The timing of the test remains at 2 hours and 30 minutes.

Organizations involved in the Redesign Work: National Science Teacher Association (NSTA)



Purpose:

- To address the new national science standards

Standards:

- 2020 National Science Teacher Association (NSTA) Teacher Preparation Standards, now including the new Next Generation Science Standards (NGSS)
- State science standards were also considered

Overall Design Changes:

- One half or more of the test questions now integrate a Science and Engineering Practice from the Next Generation Science Standards. The previous test included questions that integrated only some of the Science and Engineering Practices and did not have a prescribed percentage included in the test specifications.
- One quarter to one third of the test questions now assess content applied to a Task of Teaching of Science. This change does not include science pedagogy.

Weightings:

- Earth and Space Sciences topics included in the questions are much the same at the previous test in terms of specific topics. However, the relative weighting of the nature and impact of science and engineering was increased as the National Advisory Committee (NAC) considered the greater emphasis on these topics in the classroom. The weighting of the basic principles of matter and energy was also increased, and this topic area was merged into Category II. The increase in these two topic areas, in addition to the smaller increases in the percentages of the two other categories, resulted in a larger decrease in the weighting of the physical geology and historical geology topics in Category II.
- Number of Score Categories were reduced from six to four with some changes in weighting of content

%	5572 Earth and Space Sciences	%	5571 Earth and Space Sciences
15%	I. Nature and Impact of Science and Engineering	12%	I. Basic Scientific Principles and Processes
45%	II. Earth’s Processes and Materials	54%	II. Tectonics and Internal Earth Processes III. Earth Materials and Surface Processes IV. History of the Earth and its Life-Forms
22%	III. Earth’s Hydrosphere and Atmosphere	19%	V. Earth’s Atmosphere and Hydrosphere
18%	IV. Astronomy	15%	VI. Astronomy

Time:

- The timing of the test remains at 2 hours and 30 minutes.

Organizations involved in the Redesign Work: National Science Teacher Association (NSTA)



Purpose:

- To address the new national science standards

Standards:

- 2020 National Science Teacher Association (NSTA) Teacher Preparation Standards, now including the new Next Generation Science Standards (NGSS)
- State science standards were also considered

Overall Design Changes:

- One half or more of the test questions now integrate a Science and Engineering Practice from the Next Generation Science Standards. The previous test included questions that integrated only some of the Science and Engineering Practices and did not have a prescribed percentage included in the test specifications.
- One quarter to one third of the test questions now assess content applied to a Task of Teaching of Science. This change does not include science pedagogy.

Weightings:

- General Science topics are much the same as the previous test. However, Category I, which includes topics from Categories II, III, and IV, but in a different context, was given less weight, and more weight was given to Categories II, III, and IV.
- Number of Score Categories were reduced from five to four with some changes in weighting of content

%	5436 General Science	%	5435 General Science
16%	I. Nature and Impact of Science and Engineering	24%	I. Scientific Methodology, Techniques, and History V. Science, Technology, and Society
41%	II. Physical Science	42%	II. Physical Science
29%	III. Life Science	22%	III. Life Science
24%	IV. Earth and Space Science	22%	IV. Earth and Space Science

Time:

- The timing of the test remains at 2 hours and 30 minutes.

Organizations involved in the Redesign Work:

- National Science Teacher Association (NSTA)



Purpose:

- To address an emphasis, change in the new national science standards

Standards:

- 2020 National Science Teacher Association (NSTA) Teacher Preparation Standards, now including the new Next Generation Science Standards (NGSS)
- State science standards were also considered

Overall Design Changes:

- One half or more of the test questions now integrate a Science and Engineering Practice from the Next Generation Science Standards. The previous test included questions that integrated only some of the Science and Engineering Practices and did not have a prescribed percentage included in the test specifications.
- One quarter to one third of the test questions now assess content applied to a Task of Teaching of Science. This change does not include science pedagogy.

Weightings:

- Physics topics included in the questions are much the same at the previous test in terms of specific topics. However, the relative weighting of some matter and energy relationships were reduced somewhat as the National Advisory Committee (NAC) deemed some of those topics to be more relevant to a chemistry test. This decrease resulted in a very small percentage increase in each of Categories III, IV, and V.
- Number of Score Categories were reduced from six to five with some changes in weighting of content

%	5266 Physics	%	5265 Physics
12%	I. Nature and Impact of Science and Engineering	12%	VI. Scientific Inquiry, Processes, and Social Perspectives
15%	II. Principles and Models of Matter and Energy	24%	IV. Heat, Energy, and Thermodynamics V. Modern Physics, and Atomic and Nuclear Structure
35%	III. Mechanics	32%	I. Mechanics
21%	IV. Electricity and Magnetism	19%	II. Electricity and Magnetism
17%	V. Waves	13%	III. Optics and Waves

Time:

- The timing of the test remains at 2 hours and 30 minutes.

Organizations involved in the Redesign Work: National Science Teacher Association (NSTA)



5312 School Librarian

Purpose:

- Aligned the test with the updated standards and current terminology/trends in the field.

Overall Design Changes:

- Updated terminology
- Minor changes to category weightings

Standards:

- 2017 National School Librarian Standards (School Library Alignments)
- 2019 ALA/AASL/CAEP School Librarian Preparation Standards

Weightings:

- Category I. Program Administration: Went from 18% to 20%
- Category II. Organization and Access: Went from 21% to 19%
- Category III. Information Access in the Learning Environment: Went from 21% to 20%
- Category IV. Teaching and Learning: Went from 28% to 29%
- Category V. Professional Development, Leadership, and Advocacy: Unchanged at 12%

Time:

- Unchanged (120 minutes)

Change in Approach of the Assessment:

- Change in weightings will shift focus of assessment to place more emphasis on information access, collaborating with stakeholders, and instructional interactions with students.
- The terms Library Media Specialist and Library Media Center were updated to School Librarian and School Library to reflect current terminology used in the field.
- Name changes were made to the following categories to reflect current emphasis in the field on student focused librarianship and to both access to information and physical access to materials in the school library:
 - Category II: from Collection Development to Organization and Access
 - Category III: from Information Access and Delivery to Information Access in the Learning Environment
 - Category IV: Learning and Teaching to Teaching and Learning

Any Addition or Subtraction of content:

- No changes were made to the overall design of the assessment.

Organizations Involved in the Redesign Work:

- American Association of School Librarians (AASL)



Praxis: School Counselor

5422 Launches Sept. 2022

Purpose:

- Change in standards

Overall Design Changes:

- The test title and codes changed: *Professional School Counselor to 5422 School Counselor*
- Changes in category names:
 - Cat 1 Foundations > Define
 - Cat 2 Delivery of Services > Deliver
 - Cat 3 Management > Manage
 - Cat 4 Accountability > Assess
- Changes in category weightings (See Weightings)

Weightings:

- Cat 1 (Define) went from 18% to 25%
- Cat 2 (Deliver) went from 45% to 40%
- Cat 3 (Manage) went from 15% to 20%
- Cat 4 (Assess) went from 22% to 15%

Timing:

No change in the approach of the assessment: SR only

Standards:

- ASCA National Model (4th Edition)

Organizations involved in the Redesign Work:

- American School Counselor Association (ASCA)