<table>
<thead>
<tr>
<th>Operational Test</th>
<th>Administration Dates</th>
<th>Make-up Dates</th>
<th>Scoring Dates</th>
<th>Final Date to Submit Answer Sheets to Scanning Centers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 4 Science Performance Test</td>
<td>Tuesday, May 24 – Friday, June 3</td>
<td>Make-ups must be given within the testing window</td>
<td>Scoring may start immediately following administration.</td>
<td>Thursday, June 16</td>
</tr>
<tr>
<td>Grade 4 Science Written Test</td>
<td>Monday, June 6</td>
<td>Tuesday, June 7 – Friday, June 10</td>
<td>Following make-up dates, but no later than Thursday, June 16</td>
<td>Thursday, June 16</td>
</tr>
<tr>
<td>Grade 8 Science Performance Test</td>
<td>Tuesday, May 24 – Friday, June 3</td>
<td>Make-ups must be given within the testing window</td>
<td>Scoring may start immediately following administration.</td>
<td>Thursday, June 16</td>
</tr>
<tr>
<td>Grade 8 Science Written Test</td>
<td>Monday, June 6</td>
<td>Tuesday, June 7 – Friday, June 10</td>
<td>Following make-up dates, but no later than Thursday, June 16</td>
<td>Thursday, June 16</td>
</tr>
</tbody>
</table>
Science Implementation Timeline Map (Updated April 2021)
New Science Assessments

Spring 2024
- Elementary-level Science Test
- Intermediate-level Science Test

June 2025
- Regents Exam in Earth & Space Sciences
- Regents Exam in Biology

June 2026
- Regents Exam in Chemistry
- Regents Exam in Physics

Updated (April 2021) Assessment Time-Line for NYS P-12 Science Learning Standards
Field Testing for 5 & 8 Science

- NYSED’s new contract with Questar for 3-8 field testing includes 5 & 8 Science.
  - Contract Started July 1, 2021

- NYSED has released sample items for teachers to use with their students. These are also available on CBT (much like the sample items you have seen for 3-8 Math and ELA).
  - These questions have been written by NYS teachers who have undergone our new Item Writing Training and are familiar with CBT items and the structure of them.
Grade Level and Domain Status Update

Elementary and Intermediate Science:

- Three Dimensional items are being written by NYS educators for field testing (including CBT)
- Curriculum embedded Performance Investigations have been crafted by NYS educators
- NYS educators will be reviewing and editing the Performance Investigations in Summer 2022
To: District Superintendents  
Superintendents of Schools  
Principals of Public, Religious, and Independent Schools  
Charter School Leaders  
Science Coordinators  
Elementary- and Intermediate-level Science Teachers

From: Zachary Warner

Subject: Required Investigations for the Elementary- and Intermediate-level Science Tests

General Information

The Elementary- and Intermediate-level Science Tests will be administered in Grades 5 and 8, respectively, for the first time in Spring 2024. These tests are designed to measure knowledge and skills contained in New York State P-12 Science Learning Standards. The tests are administered as written examinations in the spring of each school year and consist of both multiple-choice and constructed-response (i.e., open-ended) questions. In order to prepare for these tests with authentic, hands-on laboratory experiences, students will participate in a series of required activities called Investigations. Like the written tests, the Investigations are aligned with the New York State P-12 Science Learning Standards but provide the opportunity for performance-based assessment of student science knowledge and skills. The Investigations are designed to be embedded into instruction and can be offered any time during the school year, dependent on when teachers cover the particular Learning Standards assessed.
### Performance Component for 5th & 8th Grade: Investigations

<table>
<thead>
<tr>
<th>Assess Performance Expectations (PEs) that cannot be measured on the written assessment</th>
<th>Curriculum embedded Investigations must be successfully completed before the administration of the ELS and ILS tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Successful completion of the Investigations will provide hands-on opportunity to demonstrate attainment of science knowledge and skills</td>
<td>Investigations will be available to schools at the beginning of the year</td>
</tr>
<tr>
<td>No longer be administered during a specified window prior to the written assessment</td>
<td>Plan to pilot them the school year before the written test is given, providing feedback via survey/email</td>
</tr>
<tr>
<td></td>
<td>Curriculum embedded Investigations designed by New York State Educators is underway</td>
</tr>
</tbody>
</table>
New York State Grades 3-8 Science Learning Standards General Information

- New York State P-12 Science Standards Development, Adoption, and Implementation
- Elementary Grades K-8 Science Performance Level Descriptions
- Intermediate Grades 9-12 Science Performance Level Descriptions
- Additional Information: please visit New York State Education Department's Curriculum and Instruction.

NYS LEVEL 4
Students performing at this level excel in standards for their grade. They demonstrate knowledge, skills, and practices embodied by the Learning Standards that are considered more than sufficient for the expectations at this grade.

NYS LEVEL 3
Students performing at this level are proficient in standards for their grade. They demonstrate knowledge, skills, and practices embodied by the Learning Standards that are considered sufficient for the expectations at this grade.

NYS LEVEL 2
Students performing at this level are partially proficient in standards for their grade. They demonstrate knowledge, skills, and practices embodied by the Learning Standards that are considered partial but insufficient for the expectations at this grade. Students performing at Level 2 are considered on track to meet current New York high school graduation requirements but are not yet proficient in Learning Standards at this grade.

NYS LEVEL 1
Students performing at this level are below proficient in standards for their grade. They may demonstrate limited knowledge, skills, and practices embodied by the Learning Standards that are considered insufficient for the expectations at this grade.

<table>
<thead>
<tr>
<th>Topic and PE</th>
<th>NYS Level 4</th>
<th>NYS Level 3</th>
<th>NYS Level 2</th>
<th>NYS Level 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS History of Earth</td>
<td><strong>Construct a scientific explanation, based on evidence from multiple sources, for how the geologic time scale is used to organize Earth's 4.6-billion-year-old history, and determine patterns of relative age for rock strata, fossils and past geologic events.</strong></td>
<td><strong>Construct a scientific explanation based on evidence from rock strata for how the geologic time scale is used to organize Earth's 4.6-billion-year-old history.</strong></td>
<td><strong>Given a scientific explanation, use evidence from rock strata to determine that rock formations and the fossils they contain are used to establish relative ages of major events in Earth's history.</strong></td>
<td><strong>Given evidence from rock strata, identify the explanation, from those provided, that the analysis of rock formation and the fossils they contain are used to establish relative ages of major events in Earth's history.</strong></td>
</tr>
</tbody>
</table>
Information regarding opportunities to participate in our test development process can be found on our website.
CONTACT US!


Questions pertaining to science assessment: emscassessinfo@nysed.gov

NYSED Standards and Instruction Website: www.nysed.gov/curriculum-instruction

Questions pertaining to science standards and instruction: emscurric@nysed.gov