

# Interactive Achievement: Creating Assessments with Standards from Multiple Grades

The screenshot shows the onTRAC dashboard for Linwood Holton Elementary School. The navigation menu at the top includes Home, Dashboard, Assessment Library, Testing Center, Classroom Manager, and Reporting. The 'Assessment Library' item is circled in green. A green callout box with a black border contains the text: "Login to IA and click Assessment Library." Below the navigation menu, there are several main sections: "Welcome!", "Assessment Library" (with a sub-description: "Create and modify questions and exams."), "Testing Center" (with a sub-description: "Create and administer test sessions."), "Reporting" (with a sub-description: "View test results and print reports from onTRAC."), and "Help" (with a sub-description: "Chat with our support staff or email a question."). To the right, there is a "WHAT'S NEW" section with several news items, each with a "Read full entry" link. At the bottom right, there are social media icons for Twitter, RSS, Facebook, YouTube, and LinkedIn.

The screenshot shows the onTRAC interface with the 'Subject' dropdown menu open. The 'Subject' menu is circled in green. The dropdown menu lists the following subjects: "VA Current Standards", "SCI-2 (VA 2010)", "SCI-3 (VA 2010)", "SCI-4 (VA 2010)", "SCI-5 (VA 2010)", "SCI-6 (VA 2010)", "SCI-LS (VA 2010)", "SCI-PS (VA 2010)", "SCI-ES (VA 2010)", "SCI-BIO (VA 2010)", and "SCI-CH (VA 2010)". A green callout box with a black border contains the text: "Click the Subject menu and choose a subject." The background shows the dashboard with the 'Assessment Library' menu item highlighted in the navigation bar. The 'Location' is set to "Richmond City Public Schools".

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WHAT'S NEW Linwood Holton Elementary School Preferences Logout HELP

Home Dashboard Assessment Library Testing Center Classroom Manager Reporting

Location: Richmond City Public Schools Subject: Open Favorites New Exam Go To... Save Last Open Subject Tab

SCI-5 (VA 2010)

Location: Richmond City Public Schools

Items

- [SCI-5] Science 5
  - [SCI-5.1] Scientific Investigation, Reasoning, and Logic
  - [SCI-5.2] Force, Motion, and Energy
  - [SCI-5.3] Force, Motion, and Energy
  - [SCI-5.4] Matter
  - [SCI-5.5] Living Systems
  - [SCI-5.6] Interrelationships in Earth/Space Systems
  - [SCI-5.7] Earth Patterns, Cycles, and Change

Details

Menu

**Category:** SCI-5 (VA 2010)  
**Description:** Science 5

**Category Details:**  
**Grade Five**

The fifth-grade standards emphasize the importance of selecting appropriate instruments for measuring and recording observations. The organization, analysis, and application of data continue to be an important focus of classroom inquiry. Science skills from preceding grades, including questioning, using and validating evidence, and systematic experimentation, are reinforced at this level. Students are introduced to more detailed concepts of sound and light and the tools used for studying them. Key concepts of matter, including those about atoms, molecules, elements, and compounds, are studied, and the properties of matter are defined in greater detail. The cellular makeup of organisms and the distinguishing characteristics of groups of organisms are stressed. Students learn about the characteristics of the oceans and Earth's changing surface.

The fifth-grade standards focus on student growth in understanding the nature of science. This scientific view defines the idea that explanations of nature are developed and tested using observation, experimentation, models, evidence, and systematic processes. The nature of science includes the concepts that scientific explanations are based on logical thinking; are subject to rules of evidence; are consistent with observational, inferential, and experimental evidence; are open to rational critique; and are subject to refinement and change with the addition of new scientific evidence. The nature of science includes the concept that science can provide explanations about nature, can predict potential consequences of actions, but cannot be used to answer all questions.

**Scientific Investigation, Reasoning, and Logic**

Click Exams.

Exams

onTRAC by interactive achievement

WHAT'S NEW Linwood Holton Elementary School Preferences Logout HELP

Home Dashboard Assessment Library Testing Center Classroom What's new in onTRAC ting

Location: Richmond City Public Schools Subject: Open Favorites New Exam Go To... Save Last Open Subject Tab

SCI-5 (VA 2010)

Location: Richmond City Public Schools

Items

Resources

New Exam

- Post-Test (0 Exams)
- Pre-Test (0 Exams)
- Quiz (19 Exams)
- SOL Released Tests (8 Exams)
- Unit Test (4 Exams)

Details

Menu

**Category:** SCI-5 (VA 2010)  
**Description:** Science 5

**Category Details:**  
**Grade Five**

The fifth-grade standards emphasize the importance of selecting appropriate instruments for measuring and recording observations. The organization, analysis, and application of data continue to be an important focus of classroom inquiry. Science skills from preceding grades, including questioning, using and validating evidence, and systematic experimentation, are reinforced at this level. Students are introduced to more detailed concepts of sound and light and the tools used for studying them. Key concepts of matter, including those about atoms, molecules, elements, and compounds, are studied, and the properties of matter are defined in greater detail. The cellular makeup of organisms and the distinguishing characteristics of groups of organisms are stressed. Students learn about the characteristics of the oceans and Earth's changing surface.

The fifth-grade standards focus on student growth in understanding the nature of science. This scientific view defines the idea that explanations of nature are developed and tested using observation, experimentation, models, evidence, and systematic processes. The nature of science includes the concepts that scientific explanations are based on logical thinking; are subject to rules of evidence; are consistent with observational, inferential, and experimental evidence; are open to rational critique; and are subject to refinement and change with the addition of new scientific evidence. The nature of science includes the concept that science can provide explanations about nature, can predict potential consequences of actions, but cannot be used to answer all questions.

**Scientific Investigation, Reasoning, and Logic**

Click New Exam.



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WHAT'S NEW Linwood Holton Elementary School

Home | Dashboard | Assessment Library | Testing Center | Classroom Manager | Interventions | Reporting

Location: Richmond City Public Schools Subject: Open

Details [E:2N78R7] mwenberg\_Sample\_12\_19\_13

Exam Menu

[E:2N78R7] [Richmond] mwenberg\_Sample\_12\_19\_13 (0 Items)

Section 1 (0 Items)

Items

- [SCI-5] Science 5
  - [SCI-5.1] Scientific Investigation, Reasoning, and Logic
  - [SCI-5.2] Force, Motion, and Energy
  - [SCI-5.3] Force, Motion, and Energy
  - [SCI-5.4] Matter
  - [SCI-5.5] Living Systems
  - [SCI-5.6] Interrelationships in Earth/Space Systems
  - [SCI-5.7] Earth Patterns, Cycles, and Change

Resources Exams

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Your assessment has been created.

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WHAT'S NEW Linwood Holton Elementary School

Home | Dashboard | Assessment Library | Testing Center | Classroom Manager | Interventions | Reporting

Location: Richmond City Public Schools Subject: Open

Details [E:2N78R7] mwenberg\_Sample\_12\_19\_13

Sample\_12\_19\_13 (0 Items)

Items

- [SCI-5] Science 5
  - [SCI-5.1] Scientific Investigation, Reasoning, and Logic
    - [SCI-5.1.1] Scientific Investigation, Reasoning, and Logic
      - [Q:3000WMM-1] [IA] The part of the wave where th... [W] [D] [C]
      - [Q:3000CBA5-1] [IA] What kind of wave is shown? [W] [D] [C]
      - [Q:3000DDW3-1] [IA] When compression waves mo... [W] [D] [C]
      - [Q:3000MCT-1] [IA] A disturbance moving through a... [W] [D] [C]
      - [Q:3000GVS-1] [IA] Sound is a form of — [W] [D] [C]
      - [Q:3000EZZ-2] [IA] A compression wave that move... [W] [D] [C]
      - [Q:3000FT63-2] [SOL2008] Sound is a type of mecha... [W] [D] [C]
      - [Q:3000ZZJX-2] [IA] In the wave above, where the m... [W] [D] [C]

Resources Exams

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Click on SOL strands and sub-strands until you see individual questions. Individual questions are indicated by question mark icons.

Before adding them to your assessment you can preview individual questions by clicking the Show Details icon to the right of each item.

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WHAT'S NEW Linwood Holton Elementary School

Home Dashboard Assessment Library Testing Center Classroom Manager Interventions Reporting

Location: Richmond City Public Schools Subject: Open

Details [E:2N78R7] mwenberg\_Sample\_12\_19\_13

View By Exam Menu

[E:2N78R7] Richmond mwenberg\_Sample\_12\_19\_13 (0 Items)

Section 1 (0 Items)

[Q:9JL7PM-1] [IA] A student used a coiled child's toy to show the class

To add a question to your assessment simply drag and drop from the left window into the right window.

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WHAT'S NEW Linwood Holton Elementary School

Home Dashboard Assessment Library Testing Center Classroom Manager Interventions Reporting

Location: Richmond City Public Schools Subject: Open

Details [E:2N78R7] mwenberg\_Sample\_12\_19\_13

View By Exam Menu

[E:2N78R7] Richmond mwenberg\_Sample\_12\_19\_13 (1 Item)

Section 1 (1 Items)

#1 [9JL7PM-1] [IA] A student used a coiled child's toy to show the class

This question has been added to the assessment.

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WHAT'S NEW Linwood Holton Elementary School

Home Dashboard Assessment Library Testing Center Classroom Manager Interventions Reporting

Location: Richmond City Public Schools Subject: Open

Details: [E:2N78R7] mwenberg\_Sample\_12\_19\_13

View By: Exam Menu

[E:2N78R7] [Richmond] mwenberg\_Sample\_12\_19\_13 (4 Items)

Section 1 (4 Items)

- #1 [9JL7PM-1] [IA] A student used a coiled child's toy to show the class
- #2 [XFNWMM-1] [IA] The part of the wave where the molecules are spread apart is cal
- #3 [BKVEZZ-2] [IA] A compression wave that moves outward from its source is a —
- #4 [G2FT63-2] [SOL2006] Sound is a type of mechanical energy that is transmitted in the form of &md ...

[SCI-5 (VA 2010)]  
 [SCI-5.1] Scientific Investigation, Reasoning, and Logic  
 [SCI-5.2] Force, Motion, and Energy  
 [SCI-5.2a] Compression Waves  
 [Q:9JL7PM-1] [IA] A student used a coiled child's t...  
 [Q:XFNWMM-1] [IA] The part of the wave where th...  
 [Q:CKKBA5-1] [IA] What kind of wave is shown?  
 [Q:VCDDW3-1] [IA] When compression waves mo...  
 [Q:S84MCT-1] [IA] A disturbance moving through a...  
 [Q:3SPGVS-1] [IA] Sound is a form of —  
 [Q:BKVEZZ-2] [IA] A compression wave that move...  
 [Q:G2FT63-2] [SOL2006] Sound is a type of mecha...  
 [Q:BC2ZJX-2] [IA] In the wave above, where the m...  
 [SCI-5.2b] Vibration, Compression, Wavelength, Frequ...  
 [SCI-5.2c] Sound and Media  
 [SCI-5.2d] Sound Waves  
 [SCI-5.3] Force, Motion, and Energy  
 [SCI-5.4] Matter

Resources Exams

https://ontrac.interactiveachievement.net/Assessment\_library#

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Continue adding questions from the Science 5 strands until you are ready to switch to another grade level.

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WHAT'S NEW Linwood Holton Elementary School

Home Dashboard Assessment Library Testing Center Classroom Manager Interventions Reporting

Location: Richmond City Public Schools Subject: Open

Details: [E:2N78R7] mwenberg\_Sample\_12\_19\_13

View By: Exam Menu

[E:2N78R7] [Richmond] mwenberg\_Sample\_12\_19\_13 (4 Items)

Section 1 (4 Items)

- #1 [9JL7PM-1] [IA] A student used a coiled child's toy to show the class
- #2 [XFNWMM-1] [IA] The part of the wave where the molecules are spread apart is cal
- #3 [BKVEZZ-2] [IA] A compression wave that moves outward from its source is a —
- #4 [G2FT63-2] [SOL2006] Sound is a type of mechanical energy that is transmitted in the form of &md ...

VA Current Standards  
 HIST (VA 2008)  
 SCI (VA 2010)  
 [SCI-3 (VA 2010)]  
 [SCI-4 (VA 2010)]  
 [SCI-5 (VA 2010)]  
 SCI-LS (VA 2010)  
 SCI-PS (VA 2010)  
 SCI-ES (VA 2010)  
 SCI-BIO (VA 2010)  
 SCI-CH (VA 2010)

[SCI-5 (VA 2010)]  
 [SCI-5.1] Scientific Investigation, Reasoning, and Log...  
 [SCI-5.2] Force, Motion, and Energy  
 [SCI-5.2a] Compression Waves  
 [Q:9JL7PM-1] [IA] A student used a coiled child...  
 [Q:XFNWMM-1] [IA] The part of the wave where...  
 [Q:CKKBA5-1] [IA] What kind of wave is show...  
 [Q:VCDDW3-1] [IA] When compression waves...  
 [Q:S84MCT-1] [IA] A disturbance moving thro...  
 [Q:3SPGVS-1] [IA] Sound is a form of —  
 [Q:BKVEZZ-2] [IA] A compression wave that m...  
 [Q:G2FT63-2] [SOL2006] Sound is a type of mecha...  
 [Q:BC2ZJX-2] [IA] In the wave above, where the m...  
 [SCI-5.2b] Vibration, Compression, Wavelength, Frequ...  
 [SCI-5.2c] Sound and Media  
 [SCI-5.2d] Sound Waves  
 [SCI-5.3] Force, Motion, and Energy  
 [SCI-5.4] Matter

Resources Exams

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When you want to add questions from Science 4 strands go to the Subject menu and choose SCI-4.

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WHAT'S NEW Linwood Holton Elementary School

Home Dashboard Assessment Library Testing Center Classroom Manager Interventions Reporting

Location: Richmond City Public Schools Subject: Open

Details: [E:2N78R7] mwenberg\_Sample\_12\_19\_13

View By Exam Menu

[E:2N78R7] Richmond mwenberg\_Sample\_12\_19\_13 (4 Items)

Section 1 (4 Items)

- #1 [9JL7PM-1] [A] A student used a coiled child's toy to show the class
- #2 [XFNWMM-1] [A] The part of the wave where the molecules are spread apart is cal
- #3 [BKVEZZ-2] [A] A compression wave that moves outward from its source is a —
- #4 [G2FT63-2] [SOL2006] Sound is a type of mechanical energy that is transmitted in the form of &md ...

Drag and drop Science 4 questions into your assessment.

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WHAT'S NEW Linwood Holton Elementary School

Home Dashboard Assessment Library Testing Center Classroom Manager Interventions Reporting

Location: Richmond City Public Schools Subject: Open

Details: [E:2N78R7] mwenberg\_Sample\_12\_19\_13

View By Exam Menu

[E:2N78R7] Richmond mwenberg\_Sample\_12\_19\_13 (8 Items)

Section 1 (8 Items)

- #1 [9JL7PM-1] [A] A student used a coiled child's toy to show the class
- #2 [XFNWMM-1] [A] The part of the wave where the molecules are spread apart is cal
- #3 [BKVEZZ-2] [A] A compression wave that moves outward from its source is a —
- #4 [G2FT63-2] [SOL2006] Sound is a type of mechanical energy that is transmitted in the form of &md ...
- #5 [EGBVVB-1] [SOL2009] The electrician in this picture is wearing rubber glo
- #6 [9POGXP-2] [A] A nail is an example of —
- #7 [W9P165-2] [A] What type of material will not allow electric current to pass through it?
- #8 [MSG1DS-2] [A] A penny is an example of —

Now you have an assessment with questions from Science 5 and Science 4.

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WHAT'S NEW Linwood Holton Elementary School

Home Dashboard Assessment Library Testing Center Classroom Manager Interventions Reporting

Location: Richmond City Public Schools Subject: Open

Details [Exam Name] 12\_19\_13

View Exam Exam Menu

- Review Items on this Exam
- Add/Remove Items
- Change Item Weights
- Add Section
- Edit Exam Details
- Duplicate Exam
- Submit

Preview your assessment by clicking the Edit Menu and then choosing Review Items on this Exam

https://ontrac.interactiveachievement.net/AssessmentLibrary#

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Item Review

Item Menu All Statuses

Item

Title: [Q:9JL7PM-1] [IA] A student used a coiled child's toy to show the class

Status: Approved

Bloom's Taxonomy: (2) Comprehension

Webb's DOK: (1) Recall

Standards:

- Subject: SCI-5.2a (VA 2010)

A student used a coiled child's toy to show the class about sound waves. What demonstrate?

Opt 1 Compression

1 of 8 On Exam: mwenberg\_Sample\_12\_19\_13

In the review window you can see which grade level each question was chosen from.

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onTRAC by interactive achievement

Location: Richmond City Public Schools

Item Review

Item Menu All Statuses

Elementary School

Item


Title: [Q:EGBVVB-1] [SOL2009] The electrician in this picture is wearing rubber gloves

Status: Approved

Bloom's Taxonomy: (2) Comprehension

Webb's DOK: (1) Recall

Standards: **Subject: SCI-4.3a (VA 2010)**



The electrician in this picture is wearing rubber gloves for protection. The purpose of wearing rubber gloves is to prevent electrical shock.

5 of 8 On Exam: mwenberg\_Sample\_12\_19\_13

Close

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onTRAC by interactive achievement

WHAT'S NEW

Linwood Holton Elementary School

Home Dashboard Assessment Library Testing Center Classroom Manager Interventions Reporting

Location: Richmond City Public Schools Subject: Open

Details [E:2N7] mwenberg\_Sample\_12\_19\_13

View By Exam Menu

- Review Items in this Exam
- Add/Remove Items
- Change Item Weights
- Add Section
- Edit Exam Details
- Duplicate Exam
- Submit
- Submit & Approve**
- With Approver
- Delete
- Flag as Favorite

When you have finished adding items to your assessment you must click Exam Menu and then Submit & Approve.

https://ontrac.interactiveachievement.net/AssessmentLibrary#

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WHAT'S NEW Linwood Holton Elementary School

Home | Dashboard | Assessment Library | **Testing Center** | Classroom Manager | Reporting

Location: Linwood Holton Elementary School My Information Only Subject: \* Exam:

Test Session Selector

To confirm that your assessment has been saved in the correct school folder click **Testing Center**.

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WHAT'S NEW Linwood Holton Elementary School

Home | Dashboard | Assessment Library | **Testing Center** | Classroom Manager | Reporting

Location: Linwood Holton Elementary School My Information Only Subject: \* Exam:

Test Session Selector

VA Current Standards

- \* SCI-2 (VA 2010)
- \* SCI-3 (VA 2010)
- \* SCI-4 (VA 2010)
- \* SCI-5 (VA 2010)
- \* SCI-6 (VA 2010)
- \* SCI-LS (VA 2010)
- \* SCI-PS (VA 2010)
- \* SCI-ES (VA 2010)
- \* SCI-BIO (VA 2010)
- \* SCI-CH (VA 2010)

From the **Subject** menu choose the subject of your assessment.

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Location: Linwood Holton Elementary Scho

My Information Only

Subject: SCI-5 (VA 2010)

Exam:

Test Session Selector

From the Exam menu choose the category of your assessment.

- Pre-Test [Richmond] (0 Exams)
- Quiz [Richmond] (18 Exams)
- SOL Released Tests [Richmond] (0 Exams)
- Benchmark [Richmond] (2 Exams)
- IA Created Assessments [Richmond] (2 Exams)


ation Only

















Subject: SCI-5 (VA 2010)

Exam:

Click the triangle to the left of your assessment category and find the folder for your school.

- Post-Test [Richmond] (0 Exams)
- Pre-Test [Richmond] (0 Exams)
- Quiz [Richmond] (18 Exams)
- Albert Hill Middle School (Quiz) [Richmond] (0 Exams)
- Armstrong High School (Quiz) [Richmond] (0 Exams)
- Bellevue Elementary School (Quiz) [Richmond] (0 Exams)
- Binford Middle School (Quiz) [Richmond] (0 Exams)
- Blackwell Elementary School (Quiz) [Richmond] (0 Exams)
- Boushall Middle School (Quiz) [Richmond] (0 Exams)
- Broad Rock Elementary School (Quiz) [Richmond] (0 Exams)
- Chimborazo Elementary School (Quiz) [Richmond] (0 Exams)
- E.D. Redd Elementary School (Quiz) [Richmond] (0 Exams)
- E.S.H. Greene Elementary School (quiz) [Richmond] (0 Exams)
- Elkhardt Middle School (Quiz) [Richmond] (0 Exams)
- Fairfield Court Elementary School (quiz) [Richmond] (0 Exams)
- Franklin Military Academy (Quiz) [Richmond] (0 Exams)

Subject:  SCI-5 (VA 2010)  Exam:

-  J.L. Francis Elementary School (Quiz) [Richmond]
-  John B. Cary Elementary School (Quiz) [Richmond]
-  John Marshall High School (Quiz) [Richmond] (0 Exams)
-  Linwood Holton Elementary School (Quiz) [Richmond]
-  mwenberg\_Sample\_12\_19\_13
-  Lucille Murray Brown Middle School (Quiz) [Richmond]
-  Martin Luther King Jr. Middle School (Quiz) [Richmond]
-  Mary Munford Elementary School (Quiz) [Richmond]
-  Miles Jerome Jones Elementary School (quiz) [Richmond]
-  Oak Grove Elementary School (Quiz) [Richmond]
-  Open High School (Quiz) [Richmond] (0 Exams)
-  Overby-Sheppard Elementary School (Quiz) [Richmond]
-  Patrick Henry School of Science and Arts (Quiz) [Richmond]
-  Real School at THMS (Quiz) [Richmond] (0 Exams)
-  Richmond Alternative School (Quiz) [Richmond]
-  Richmond Community High School (Quiz) [Richmond]

Your assessment should be saved in your school's folder.