

## TNReady Grades 3–4 Science

This document provides information about the design of the TNReady assessment. It is not intended to be used solely as an instructional resource or as pacing guide. Districts should consult the Tennessee academic standards when making all instructional decisions including scope and sequence. The Tennessee academic standards can be found [here](#).

### Grades 3–4 Science Testing Structure

As in the past, each year the state assessment includes both operational and field test items. The below testing structure for science reflects both the number of operational assessment items and the number of field test assessment items.

Test Design	
Grade 3	<ul style="list-style-type: none"> <li>• 50 minutes</li> <li>• 30 items</li> </ul>
Grade 4	<ul style="list-style-type: none"> <li>• 50 minutes</li> <li>• 30 items</li> </ul>

### Grades 3–4 Science Blueprints

The blueprints below reflect only operational assessment items. You can find the grades 3–4 science standards [here](#).

Grade 3			
	# of Items	# of Score Points	% of Test
<b>Content</b>			
Life Science <ul style="list-style-type: none"> <li>• LS1: Cells, Flow of Matter &amp; Energy, Heredity</li> <li>• LS2: Interdependence, Biodiversity &amp; Change</li> </ul>	8–10	8–10	31–38
Earth Science <ul style="list-style-type: none"> <li>• The Universe, The Earth, The Atmosphere</li> </ul>	5–8	5–8	19–31
Physical Science <ul style="list-style-type: none"> <li>• PS1: Matter and Energy</li> <li>• PS2: Motion, Forces in Nature</li> </ul>	8–10	8–10	31–38
<b>TOTAL</b>	24–30	24–30	100

**Please note:** Some resource publishers have created materials that contain “TNReady” in the title or within the contents of their instructional materials. **The department does not endorse any of these materials as official TNReady products.**



Grade 4			
	# of Items	# of Score Points	% of Test
<b>Content</b>			
Life Science <ul style="list-style-type: none"> <li>• LS1: Cells, Flow of Matter &amp; Energy, Heredity</li> <li>• LS2: Interdependence, Biodiversity &amp; Change</li> </ul>	6–8	6–8	23–31
Earth Science <ul style="list-style-type: none"> <li>• The Universe, The Earth, The Atmosphere</li> </ul>	5–8	5–8	19–31
Physical Science <ul style="list-style-type: none"> <li>• PS1: Matter and Energy</li> <li>• PS2: Motion, Forces in Nature</li> </ul>	11–14	11–14	42–54
<b>TOTAL</b>	24–30	24–30	100

### Calculator Guidance for TNReady Science Grades 3–4

The TNReady science assessment in grades 3–4 does not require the use of a calculator. Tennessee science standards for this grade band do not have a mathematical component, and therefore students are not permitted to use a calculator. It is unnecessary for IEP teams to recommend the use of calculators for students in this grade band.

### Item Types

**Multiple choice:** These are items with four answer options, only one of which is correct.

**Multiple select:** These are items with more than four answer choices with multiple correct answers. Sometimes the number of correct responses will be indicated (e.g., “choose the three correct answers”), but sometimes the number of correct responses will not be indicated (e.g., “select all of the correct answers”). These items are dependent and based on the standard. For 2017-18, these items will be field tested only in science.