

## TNReady Grades 6–8 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 6–8 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.

Subpart 1	Subpart 2
<ul style="list-style-type: none"> <li>48 minutes</li> <li>35 items</li> </ul>	<ul style="list-style-type: none"> <li>47 minutes</li> <li>34 items</li> </ul>

### Grades 6–8 Science Blueprints

The blueprints below reflect *only* operational assessment items. You can find the grade 6–8 science standards [here](#).

Grade 6			
	# of Items	# of Score Points	% of Test
<b>Content</b>			
Inquiry and Technology & Engineering	7-9	7-9	14-15
LS2: Interdependence	8-11	8-11	16-17
ES1: The Universe	16-21	16-21	32-33
ES2: The Atmosphere	10-14	10-14	20-22
PS2: Energy, Forces in Nature	14-19	14-19	28-30
<b>TOTAL</b>	50-64	50-64	100

Grade 7			
	# of Items	# of Score Points	% of Test
<b>Content</b>			
Inquiry and Technology & Engineering	7-9	7-9	14-15
LS1: Cells, Flow of Matter & Energy	14-18	14-18	28-29
LS2: Heredity	8-12	8-12	16-19
ES: The Earth	14-18	14-18	28-29
PS: Motion	12-16	12-16	24-25
<b>TOTAL</b>	50-64	50-64	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 8			
	# of Items	# of Score Points	% of Test
<b>Content</b>			
Inquiry and Technology & Engineering	7-9	7-9	14-15
LS: Biodiversity & Change	11-15	11-15	22-23
PS1: Chemical Reaction	14-18	14-18	28-29
PS2: Properties of Matter	11-15	11-15	22-23
PS3: Forces of Nature	12-16	12-16	24-25
<b>TOTAL</b>	50-64	50-64	100

### Calculator Guidance for TNReady Science Grades 6-8

The TNReady science assessment in grades 6-8 does not require the use of a calculator. Tennessee science standards for this grade band include basic math fluency for students at this grade level. In grades 6 or 8, it is unnecessary for IEP teams to recommend the use of calculators as there are no items requiring mathematical calculation. In grade 7, the science assessment may include items requiring basic multiplication and/or division; therefore, an IEP team may choose to consider the use of a calculator for the grade 7 assessment year.

### 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.