
Student Assessment Records

Grade 4 • Science



Student Pretest and Posttest Record

Class Performance Evaluation

Published by FOCUScurriculum

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Hudson, OH 44236

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www.focuscurriculum.com

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Order Number: NYSC-SAR4

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Designed by Signature Design Group, Inc.

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GETTING TO KNOW THE ASSESSMENT DOCUMENTS

Pretest and Posttest Student Record

This booklet contains reproducible masters for two types of assessment tracking documents—Pretest and Posttest Student Record and Class Progress Evaluation.

The Pretest and Posttest Student Record helps you evaluate the overall effectiveness of instruction and gauge a student's readiness for the New York State Grade 4 Elementary-Level Science Test.

New York's Major Understandings are identified for every item so you can more easily identify strengths, weaknesses, and progress.

Use one for each student to record performance on the initial and final diagnostic tests.

Pretest and Posttest answers are provided for ease of use.

GRADE 4 SCIENCE PRETEST AND POSTTEST STUDENT RECORD

Name _____ Pretest Date _____ Posttest Date _____



Question No.	Type	Standard	Major Understanding	Points	Pretest Answers	Pretest Score	Posttest Answers	Posttest Score	Comments
1	Multiple Choice	Living Environment	5.2c	1	B		D		
2	Multiple Choice	Living Environment	6.1b	1	B		A		
3	Multiple Choice	Physical Setting	4.1a, 4.1b	1	D		B		
4	Multiple Choice	Living Environment	7.1b, 7.1c	1	A		C		
5	Multiple Choice	Physical Setting	3.2a	1	D		A		
6	Multiple Choice	Living Environment	6.1e	1	A		A		
7	Multiple Choice	Living Environment	6.2c	1	B		D		
8	Multiple Choice	Living Environment	6.1d	1	C		B		
9	Multiple Choice	Physical Setting	5.2a, 5.2b	1	C		D		
10	Multiple Choice	Physical Setting	4.1e	1	A		A		
11	Multiple Choice	Physical Setting	2.1e	1	A		D		
12	Multiple Choice	Physical Setting	3.2b, 3.2c	1	C		C		
13	Multiple Choice	Physical Setting	4.1c	1	A		B		
14	Multiple Choice	Living Environment	7.1a	1	B		A		
15	Multiple Choice	Physical Setting	3.1a, 3.1e	1	A		C		
16	Multiple Choice	Physical Setting	3.1b, 3.1c	1	D		D		
17	Multiple Choice	Physical Setting	2.1c	1	D		C		
18	Multiple Choice	Living Environment	6.2a	1	C		B		
19	Multiple Choice	Living Environment	5.2g, 6.1f	1	A		B		
20	Multiple Choice	Living Environment	6.2b	1	B		A		
21	Open-Ended	Living Environment	6.2b	1					
22	Open-Ended	Physical Setting	2.1c	1					
23	Open-Ended	Living Environment	3.2a, 3.2b	1					
24	Open-Ended	Physical Setting	5.1e	1					
25	Open-Ended	Physical Setting	3.1d	2					
		Total		26					

Level 1: Not Meeting the Standards = 0–10; Level 2: Not Fully Meeting the Standards = 11–16;
Level 3: Meeting the Standards = 17–22; Level 4: Meeting the Standards with Distinction = 23–26

GETTING TO KNOW THE ASSESSMENT DOCUMENTS

Class Progress Evaluation

A Class Progress Evaluation document for each grade level helps you see at a glance which students are ready for the New York State Grade 4 Elementary-Level Science Test and who could benefit from more instruction.

Use one for your entire class to evaluate their progress toward mastery of New York’s Core Curriculum in Science.



This Class Progress Evaluation will be especially useful as a way to share information about your students with members of your learning team.

CLASS PROGRESS EVALUATION
GRADE 4 • SCIENCE

Student Name	Pretest Score	Check Understanding										Posttest Score
		Energy In Ecosystems	When Ecosystems Change?	Adapting to Survive	Electrical Energy	Electromagnetic Energy	Physical Properties of Water	Physical Properties of Matter in Water	Water Is in the Air	Slow Earth-Changing Processes	Fast Earth-Changing Processes	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	

An easy-to-implement marking system helps you see a student’s learning pattern across all books in the content strands at a glance.

Key: ① 2 3 – Check Understanding meets expectation
 1 ② 3 – Check Understanding partially meets expectation
 1 2 ③ – Check Understanding do not meet expectation

GRADE 4 SCIENCE PRETEST AND POSTTEST STUDENT RECORD



Name _____ Pretest Date _____ Posttest Date _____

Question No.	Type	Standard	Major Understanding	Points	Pretest Answers	Pretest Score	Posttest Answers	Posttest Score	Comments
1	Multiple Choice	Living Environment	5.2c	1	B		D		
2	Multiple Choice	Living Environment	6.1b	1	B		A		
3	Multiple Choice	Physical Setting	4.1a, 4.1b	1	D		B		
4	Multiple Choice	Living Environment	7.1b, 7.1c	1	A		C		
5	Multiple Choice	Physical Setting	3.2a	1	D		A		
6	Multiple Choice	Living Environment	6.1e	1	A		A		
7	Multiple Choice	Living Environment	6.2c	1	B		D		
8	Multiple Choice	Living Environment	6.1d	1	C		B		
9	Multiple Choice	Physical Setting	5.2a, 5.2b	1	C		D		
10	Multiple Choice	Physical Setting	4.1e	1	A		A		
11	Multiple Choice	Physical Setting	2.1e	1	A		D		
12	Multiple Choice	Physical Setting	3.2b, 3.2c	1	C		C		
13	Multiple Choice	Physical Setting	4.1c	1	A		B		
14	Multiple Choice	Living Environment	7.1a	1	B		A		
15	Multiple Choice	Physical Setting	3.1a, 3.1e	1	A		C		
16	Multiple Choice	Physical Setting	3.1b, 3.1c	1	D		D		
17	Multiple Choice	Physical Setting	2.1c	1	D		C		
18	Multiple Choice	Living Environment	6.2a	1	C		B		
19	Multiple Choice	Living Environment	5.2g, 6.1f	1	A		B		
20	Multiple Choice	Living Environment	6.2b	1	B		A		
21	Open-Ended	Living Environment	6.2b	1					
22	Open-Ended	Physical Setting	2.1c	1					
23	Open-Ended	Living Environment	3.2a, 3.2b	1					
24	Open-Ended	Physical Setting	5.1e	1					
25	Open-Ended	Physical Setting	3.1d	2					
		Total		26					

Level 1: Not Meeting the Standards = 0–10; Level 2: Not Fully Meeting the Standards = 11–16;
 Level 3: Meeting the Standards = 17–22; Level 4: Meeting the Standards with Distinction = 23–26



CLASS PROGRESS EVALUATION GRADE 4 • SCIENCE

Student Name	Pretest Score	Check Understanding										Posttest Score
		Energy in Ecosystems	When Ecosystems Change?	Adapting to Survive	Electrical Energy	Electro-magnetic Energy	Physical Properties of Water	Physical Changes in Water	Water Is In the Air	Slow Earth-Changing Processes	Fast Earth-Changing Processes	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	

Key: ① 2 3 – Check Understanding meets expectation
 1 ② 3 – Check Understanding partially meets expectation
 1 2 ③ – Check Understanding does not meet expectation