

NFC ACADEMY

FIFTH GRADE DAILY LESSON PLANNER

SCIENCE UNITS 1-5

NFC ACADEMY | 3000 N. MERIDIAN ROAD, TALLAHASSEE, FL 32312

NFC Academy Lesson Planner

5th Grade Science Units 1 – 5

This NFC Academy Teacher Guide is designed to keep homeschool families on track for a completion during a school year program of approximately 180 days. Schedules may vary and the parent may adjust the teaching assignments as required by the home schedule, but all work must be completed. Information in this teacher guide comprises five units of study in a course and most units have 10 units for a full year. The parent may record the date each unit is completed or may plan out the unit's work and record the date to be completed. This Teacher Guide is a tool to assist the parent in meeting the educational goals for their child.

The following explanations to this Teacher Guide:

Day: The day of your school year from start date. It should take you 15-18 days to complete a unit and with 10 units per subject that results in the 180 days of the program.

Date to Complete: That can be used to record the date you completed the study, or may be best used by establishing the date for each lesson to be completed. You may do more than one lesson per day when you carry over a lesson to the next day's assignment, and make adjustments to ensure that your child has covered the material adequately. Flexibility can be made to fit your schedule, but most of the time a regular routine helps ensure that you stay on a track to finish as you planned.

Teacher Notes: Refers to the page number from the Teacher's Curriculum Guide that was sent to you. This is where you have the information needed to conduct each lesson.

Student LIFEPAC: The student work book that will correspond to the information from the Teacher Notes.

Worksheet: Refers to the worksheet for the assigned lesson located in the back of the Teacher's Guide. Page number is listed for the worksheet. Check to ensure that you use the worksheet for the page of the lesson in the Student Life Pac and Teacher's Guide lesson of the day.

Science: Refers to the LIFEPAC fifth grade science work texts which are Bible-based and are complete with engaging illustrations and step-by-step lessons that will introduce your students to the senses, animals and plants, health, world, energy, machines, and more. Each LIFEPAC unit includes concept reviews, self-tests and one removable, teacher-administered unit test.

NFC Academy Resource Teacher: You will be assigned an NFC Academy Resource teacher who will be available to answer your questions throughout your school year.

Report Cards: Report card grades will be created for each semester with the units 1-5 comprising the grades for the first reporting period. The second report period will be made up of units 6-10. Your NFC Academy Resource teacher will have the necessary paperwork for you to complete. Once you have completed the grades you will submit to your Resource teacher who will complete the report card grades for you. Report card grades will be available online using your RenWeb Parent Portal. Final report cards will be sent to you by the NFC Academy office.

Fifth Grade Science Unit 1

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFE PAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
1-2	_____	Cells – p. 3 Science 500 Supplies – p. 5 1 – The Basic Unit of Living Things: A Cell – p. 6 Objectives – p. 6 Vocabulary – p. 6-7	Science Projects List – p. 15 Teaching Notes – p. 24 Choose a learning activity to complete while working in section 1 – p. 24	Answer the questions – p. 4
3	_____	Basic parts of a cell – p. 8-10	Answers to questions – p. 26	1.1 – 1.5 Write the answers – p. 7 1.6 – 1.11 Matching – p. 9 1.12 Complete this activity – p. 9
4	_____	Viewing Cells – p. 11	Answers to questions – p. 26	1.13 – 1.17 True or False – p. 12 1.18 Answer the questions – p. 12
5	_____	Skin Cells – p. 13 Prepare for self-test – p.15	Answers to questions – p. 26	Follow these directions – p. 13 1.19 – 1.20 Record observations – p. 14-15
6	_____	Self-Test 1 – p. 16-18 2 – The Life and Activity of Cells – p. 19 Objectives – p. 19 Vocabulary – p. 19-20	Answers to self-test – p. 26 Choose a learning activity to complete while working in section 2 – p. 24-25	Self-Test 1 – p. 16-18

Fifth Grade Science Unit 1

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFEPAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
7	_____	More Details of Cells – p. 21-23		2.1—2.9 Write the Answers 2.10 Answer this Question
8	_____	Plants – p. 25-26 Onion Cells – p. 27	Answers to questions – p. 27	2.11 – 2.16 True or False – p. 26 Follow these directions – p. 27 2.17 – 2.18 Record your observations – p. 28
9	_____	Animals – p. 29 Pond Water – p. 30	Answers to questions – p. 27	Follow these directions – p. 30 2.19 – 2.23 Record your observations – p. 31-32 2.24 – Unscramble – p. 32
10-11	_____	Multicellular animals – p. 33 Cheek Cells – p. 34 Blood Cells – p. 36	Answers to questions – p. 27 Answers to questions – p. 27	Follow these directions – p. 34 2.25 – 2.26 Record your observations – p. 34-35 2.27 – 2.29 Answer these questions – p. 35 Follow these directions – p. 36-37 2.30 – 2.31 Record your observations – p. 37 2.32 – 2.38 Write the answers – p. 38

Fifth Grade Science Unit 1

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFE PAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
12	_____	Tissue – p. 38-40 Prepare for self-test – p. 41	Answers to questions – p. 27-28	2.39 – 2.40 Complete the lists – p. 40 2.41 – 2.43 Answer these questions – p. 40 2.44 Read Psalm 139:14-18 – p. 41
13	_____	Self-Test 2 – p. 42-44 3 – Energy and Growth of Cells – p. 45 Objectives – p. 45 Vocabulary – p. 45	Answers to self-test – p. 28 Choose a learning activity to complete while working in section 3 – p. 25	Self-Test 2 – p. 42-44
14	_____	Energy – p. 46-47	Answers to questions – p. 29	3.1 – 3.3 Answer these questions – p. 47
15	_____	Animals – p. 48	Answers to questions – p. 29	3.4 – 3.8 Write the correct letter – p. 49 3.9 – 3.10 Answer these questions – p. 49
16	_____	Cell Reproduction – p. 50-51 Prepare for self-test – p. 53	Answers to questions – p. 29	3.11 – 3.16 True or False – p. 52 3.17 – 3.21 Write the answers – p. 52 3.22 Write about cells – p. 52-53

Fifth Grade Science Unit 1

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFE PAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
17	_____	Self-Test 3 – p. 54-56 Prepare for unit test – p. 57	Answers to self-test – p. 29-30	Self-Test 3 – p. 54-56
18	_____	Unit Test 501 Alternate Unit Test – TG – p. 33-35	Answers to unit test – p. 31 Answers to alternate test – p. 32	Unit Test 501

Congratulations – This Unit Is Complete

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Fifth Grade Science Unit 2

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFEPAK</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
1	_____	Plants: Life Cycles – p. 3 1 – Classifying Living Things and Plants – p. 5 Objectives – p. 6 Vocabulary – p. 6 Table 1 – p. 7	Choose a learning activity to complete while working in section 1 – p. 38 Answers to questions – p. 40	1.1 – 1.3 Write the answers – p. 7 1.4 – 1.6 Answer these questions – p. 8 1.7 Observing Plants – p. 9
2	_____	Kinds of Plants – p. 8-9 Parts of Plants – p. 9-11 Prepare for self-test – p.12	Answers to questions – p. 40	1.8 – 1.14 True or False – p. 11 1.15 – 1.17 Answer these questions – p. 12
3	_____	Self-Test 1 – p. 13-14 2 – Seed-Bearing Plants – p. 15 Objectives – p. 15 Vocabulary – p. 15-16	Answers to self-test – p. 40 Choose a learning activity to complete while working in section 2 – p. 38-39	Self-Test 1 – p. 13-14
4	_____	Life Stages – p. 16-17 Growth stage – p. 17-18 Adult Stage – p. 19	Answers to questions – p. 41 Answers to questions – p. 41	2.1 – 2.5 Complete these statements – p. 17 2.6 – 2.7 Review – p. 18 2.8 – 2.14 Matching – p. 19

Fifth Grade Science Unit 2

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFEPAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
5	_____	Flowering Plants – p. 20-21 Structure of Flowering Plants – p. 22-23	Answers to questions – p. 41 Answers to questions – p. 41	2.15 Flowering Plant Poster – p. 21 2.16 Labeling Two Flowers – p. 23 2.17 – 2.22 True or False – p. 24 2.23 Answer this question – p. 24
6	_____	Experiment – Flower Dissection – p. 25	Answers to questions – p. 41	Follow these directions – p. 25-27 2.24 – 2.25 Answer these questions – p. 27
7	_____	Fertilization – p. 28 Seeds and fruit – p. 30	Answers to questions – p. 41	2.26 – 2.27 Complete these activities – p. 29 2.28 – 2.30 Write the answers – p. 29 2.31 – 2.35 Compare fruits and seeds – p. 31-32
8	_____	Experiment – Seed Dissection – p. 33-34 Vegetative reproduction – p. 34-35	Answers to questions – p. 41 Answers to questions – p. 42	2.36 Record observations – p. 34 2.37 – 2.41 Matching – p. 36 2.42 Complete this activity – p. 36 2.43 – 2.44 Answer these questions – p. 36

Fifth Grade Science Unit 2

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFEPAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
9	_____	Cone-Bearing Plants – p. 37-38	Answers to questions – p. 42	Activity 502.E – p. 38 2.45 – 2.49 Complete these statements – p. 38 2.50 – 2.54 True or False – p. 38
10	_____	Seeds – p. 39	Answers to questions – p. 42	2.55 – 2.56 Make comparisons – p. 39 Activity 502.F – p. 40 Follow these directions – p. 40 2.57 Make a poster – p. 40
11	_____	Prepare for self-test – p. 41 Self-Test 2 – p. 42-44 3 – Spore-Bearing Plants and Fungi – p. 45 Objectives – p. 45 Vocabulary – p. 46	Answers to self-test – p. 42 Choose a learning activity to complete while working in section 3 – p. 39	Self-Test 2 – p. 42-44
12	_____	Life Stages – p. 46-47 Fern Plants – p. 48-49	Answers to questions – p. 43	3.1 – 3.3 Complete these activities – p. 47-48 3.4 – 3.8 Write the correct letter – p. 50 3.9 – 3.14 True or False – p. 50 3.15 – 3.17 Look it up – p. 51

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<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFEPAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
13	_____	Fungi – p. 51-52 Experiment – Mold – p. 53 Prepare for self-test – p. 56	Answers to questions – p. 43	3.18 – 3.21 Complete these activities – p. 52 Follow these directions – p. 53 3.22 – 3.25 Record observations – p. 54-55 3.26 Write a report – p. 56
14	_____	Self-Test 3 – p. 57-58 4 – One-Celled Living Things – p. 59 Objectives – p. 59 Vocabulary – p. 59	Answers to self-test – p. 43 Choose a learning activity to complete while working in section 4 – p. 39	Self-Test 3 – p. 57-58
15	_____	Life Stages – p. 60 Algae – p. 60-61	Answers to questions – p. 44	4.1 – 4.5 Complete these statements – p. 61
16	_____	Yeast – p. 62 Prepare for self-test – p. 63	Answers to questions – p. 44	4.6 – 4.8 Write the answers – p. 63
17	_____	Self-Test 4 – p. 64-66 Prepare for unit test – p. 67	Answers to self-test – p. 44	Self-Test 4 – p. 64-66

Fifth Grade Science Unit 2

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFE PAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
18	_____	Unit Test 502 Alternate Unit Test – TG – p. 47-49	Answers to unit test – p. 45 Answers to alternate test – p. 45	Unit Test 502

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Fifth Grade Science Unit 3

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFEPAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
1	_____	Animals: Life Cycles – p. 3 1 – Invertebrates – p. 5 Objectives – p. 5 Vocabulary – p. 6 Like plants, animals come in – p. 7	Choose a learning activity to complete while working in section 1 – p. 52 Answers to questions – p. 53	1.1 – 1.7 Complete these statements – p. 8
2-3	_____	Life Cycles of Invertebrates – p. 9-10 Growth Stage – p. 11-12 Adult Stage – p. 12-13	Answers to questions – p. 53	1.8 – 1.9 Answer these questions – p. 9 1.10 – 1.14 Matching – p. 11 1.15 – 1.19 True or False – p. 12 1.20 – 1.21 Answer these questions – p. 13
4	_____	One-Celled, Animal-Like Protists – p. 14-15	Answers to questions – p. 53	1.22 – 1.27 Write the letter – p. 16 1.28 -1.29 Look it up – p. 16-17
5	_____	Egg-Laying Invertebrates – p. 17-19	Answers to questions – p. 53	1.30 – 1.35 Matching – p. 20 1.36 – 1.39 Complete these statements – p. 20

Fifth Grade Science Unit 3

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFE PAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
6	_____	Experiment – Mealworm Observation – p. 21	Answers to questions – p. 53	Follow these directions – p. 21 1.40 – 1.42 Record observations – p. 22 1.43 – 1.44 Answer these questions – p. 22-23 1.45 – 1.48 Look it up – p. 23
7	_____	Worms – p. 24-25 Mollusks – p. 26 Prepare for self-test – p. 28	Answers to questions – p. 53-54	1.49 – 1.52 Answer these questions – p. 25-26 1.53 – 1.56 Answer these questions – p. 27 1.57 Crossword Puzzle – p. 28
8	_____	Self-Test 1 – p. 29-31 2 – Vertebrates – p. 32 Objectives – p. 32 Vocabulary – p. 32-33	Answers to self-test – p. 54 Choose a learning activity to complete while working in section 2 – p. 52	Self-Test 1 – p. 29-31
9	_____	Life Cycles of Vertebrates – p. 33-34	Answers to questions – p. 55	2.1 – 2.5 Complete these statements – p. 34-35
10	_____	Egg-Laying Vertebrates – p. 35-36	Answers to questions – p. 55	2.6 – 2.13 True or False – p. 37 2.14 – Draw a diagram – p. 37

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<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFEPAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
11	_____	Amphibians – p. 37-38 Reptiles – p. 38-39 Birds – p. 40	Answers to questions – p. 55	2.15 – 2.19 Answer these questions – p. 38 2.20 – 2.23 Write the letter – p. 39 2.24 – 2.25 Complete these activities – p. 41
12	_____	Experiment – Examining a Chicken Egg – p. 42	Answers to questions – p. 55	Follow these directions – p. 42 2.26 – 2.29 Record observations – p. 42-43 2.30 – 2.32 Answer these questions – p. 44
13	_____	Live-Bearing Vertebrates – p. 45	Answers to questions – p. 55	2.33 – 2.38 Look it up – p. 46 2.39 – 2.43 True or False – p. 46 2.44 Answer this question – p. 47
14	_____	Reproduction – p. 47-48 Prepare for self-test – p. 49	Answers to questions – p. 55	2.45 Write a report – p. 48 2.46 Use your Bible – p. 49
15	_____	Self-Test 2 – p. 50-52 Prepare for unit test – p. 52	Answers to self-test – p. 56	Self-Test 2 – p. 50-52

Fifth Grade Science Unit 3

<u>Day</u>	<u>Date to Complete</u>	<u>Student LIFEPAC</u>	<u>Teacher's Guide</u>	<u>Assignments</u>
16	_____	Unit Test 503 Alternate Unit Test – TG – p. 59-61	Answers to unit test – p. 57 Answers to alternate test – p. 58	Unit Test 503

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