



Chapter Pacing Guide

Please note that this pace is based on completing selected sections of the text in 90 classes, approximately 90 minutes each. Less time can be allotted for each chapter if you plan to teach the entire text.

Period	Content
1	2.1 Organisms and Their Environment
1	2.2 Nutrition and Energy Flow
0.5	Chapter Assessment

Block Schedule Planning Guide 2.1

Organisms and Their Environment

pages 37–47

Pacing Guide

1 period

Lesson & MiniLab

KEY: *SE* = Student Edition, *TWE* = Teacher Wraparound Edition, *TCR* = Teacher Classroom Resources, *NGS* = National Geographic Society videodisc, *BDOL* = Biology: The Dynamics of Life

National Science Content Standards: UCP.1–3; A.2; C.4–6; F.3; G.1–3

Objectives

- **Distinguish** between the biotic and abiotic factors in the environment.
- **Compare** the different levels of biological organization and living relationships important in ecology.
- **Explain** the difference between a niche and a habitat.

Georgia QCC: 1.1, 2.1, 3.1, 3.2, 25.1, 25.2, 25.5

Lesson Resources

- _____ Section Focus Transparency 4 and Master
- _____ *BioLab and MiniLab Worksheets*, p. 9 *TCR*
- _____ *Reinforcement and Study Guide*, pp. 7–8 *TCR*
- _____ *Content Mastery*, p. 10 *TCR*

- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web Site:
ga.science.glencoe.com

Multimedia Resources

- _____ **BDOL CD-ROM** Section 2.1 Summary
- _____ **MindJogger Videoquizzes**, Ch. 2
- _____ **English/Spanish Audiocassettes**, Section 2.1
- _____ **BDOL Videodisc**, Disc 1, Side 1

Optional Resources

- _____ *Laboratory Manual*, pp. 9–10 *TCR*
- _____ *Tech Prep Applications*, pp. 3–4 *TCR*
- _____ *Critical Thinking/Problem Solving*, p. 2 *TCR*
- _____ *Biology Projects*, pp. 5–8 *TCR*
- _____ *Spanish Resources*

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Distribute the corrected Chapter 1 tests while students complete the Bellringer for Section 2.1. 	Section Focus Transparency 4 and Master	5 minutes
Discussion <ul style="list-style-type: none"> • Answer Chapter 1 test questions. 	<i>Chapter Assessment</i> , pp. 236–238 <i>TCR</i>	5 minutes
Core Lesson <ul style="list-style-type: none"> • Introduce Chapter 2 with the Getting Started Demo. • Teach the main concepts of Section 2.1. • Have students complete MiniLab 2-1. 	<i>TWE</i> , p. 36 <i>TWE</i> , pp. 37–47 <i>SE</i> , p. 38	40 minutes
In-Class Check <ul style="list-style-type: none"> • Discuss the MiniLab and assess students' results. • Reinforce Section 2.1 concepts with the Content Mastery worksheet. • Do the Check for Understanding and Reteach Strategies. 	<i>TWE</i> , p. 38 <i>Content Mastery</i> , p. 10, <i>TCR</i> <i>TWE</i> , p. 47	15 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 2.1 Assessment. • Assign the Problem Solving Lab 2.1. Instruct students to answer the Thinking Critically questions in their journals. • Assign relevant questions from Chapter 2 Assessment. 	<i>SE</i> , p. 47 <i>SE</i> , p. 39 <i>SE</i> , pp. 63–65	15 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Activity. 	<i>TWE</i> , p. 47	10 minutes

[total = 90 minutes]

Block Schedule Planning Guide

2.2

Nutrition and Energy Flow

pages 48–59

National Science Content Standards: UCP.1–3; A.1, A.2; B.6; C.4–6; D.2; E.3–5; G.1, G.2

Objectives

- **Compare** how organisms satisfy their nutritional needs.
- **Trace** the path of energy and matter in an ecosystem.
- **Analyze** how nutrients are cycled in the abiotic and biotic parts of the biosphere.

Georgia QCC: 1.1, 1.2, 1.3, 1.4, 2.1, 3.1, 3.2, 6.2, 7.2, 7.3, 25.1, 25.2, 25.3, 25.5

Lesson Resources

- _____ Section Focus Transparency 5 and Master
- _____ Basic Concepts Transparency 2 and Master
- _____ *BioLab and MiniLab Worksheets*, pp. 10–12 *TCR*
- _____ *Concept Mapping*, p. 2 *TCR*
- _____ *Reinforcement and Study Guide*, pp. 9–10 *TCR*
- _____ *Content Mastery*, pp. 11–12 *TCR*
- _____ Reteaching Skills Transparencies 1–3 and Masters

Multimedia Resources

- _____ **BDOL CD-ROM** Section 2.2 Summary

- _____ **MindJogger Videoquizzes**, Ch. 2
- _____ **English/Spanish Audiocassettes**, Section 2.2
- _____ **BDOL Videodisc**, Disc 1, Side 1
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web Site:
ga.science.glencoe.com

Optional Resources

- _____ *Laboratory Manual*, pp. 11–14 *TCR*
- _____ *Inside Story Poster*, User Guide p. 1 *TCR*
- _____ *Spanish Resources*

Pacing Guide

1 period

Lesson & BioLab

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Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students complete the Bellringer for Section 2.2. • Have students check homework answers. 	Section Focus Transparency 5 and Master <i>TWE</i> , pp. 39, 47, 63–65	10 minutes
Discussion <ul style="list-style-type: none"> • Answer homework questions. 	<i>TWE</i> , pp. 39, 47, 63–65	5 minutes
Core Lesson <ul style="list-style-type: none"> • Teach the main concepts of Section 2.2. • Use the Teaching Strategies to discuss the Inside Story. 	<i>TWE</i> , pp. 48–56 <i>TWE</i> , p. 57	30 minutes
In-Class Check <ul style="list-style-type: none"> • Have students begin the BioLab, including the planning and initial preparations. (Note: this lab will take 1–2 weeks to complete. Be sure to check students' progress.) • Answer questions on Chapter 2 in preparation for the test. 	<i>TWE</i> , pp. 60–61	25 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 2.2 Assessment. • Assign relevant questions from Chapter 2 Assessment. 	<i>SE</i> , p. 59 <i>SE</i> , pp. 63–65	15 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Activity. 	<i>TWE</i> , p. 59	5 minutes

[total = 90 minutes]

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Assessment Resources

- _____ *Chapter Assessment*, Ch. 2 *TCR*
- _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
- _____ *5 Days to the Georgia High School Graduation Test*, *TCR*

Multimedia Resources

- _____ *MindJogger Videoquizzes*, Ch. 2
- _____ *ExamView® Pro Software*, Ch. 2
- _____ *BDOL Interactive CD-ROM* Ch. 2 quiz

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students check homework answers. 	<i>TWE</i> , pp. 59, 63–65	5 minutes
Reviewing the Chapter <ul style="list-style-type: none"> • Answer homework questions. • Answer any final questions about Chapter 2. 	<i>TWE</i> , pp. 37–65	5 minutes
Assessment <ul style="list-style-type: none"> • Distribute the test and allow students to work quietly. 	<i>Chapter Assessment</i> , pp. 7–12 <i>TCR</i>	30–35 minutes
Closing <ul style="list-style-type: none"> • As students complete the test, have them read the Chapter 3 Opener. • If students have time, let them explore the Internet connection for Chapter 3. 	<i>SE</i> , p. 67 ga.science.glencoe.com	5 minutes

[total = 45 minutes]