



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
0.5	30.1 Fishes
0.5	30.2 Amphibians
0.5	Chapter Assessment

Block Schedule Planning Guide

30.1

Fishes

pages 817–826

National Science Content Standards: UCP.1-5; A.1, A.2; C.3, C.5, C.6; F.4, F.5; G.3

Pacing Guide

1/2 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

Objectives

- **Relate** the structural adaptations of fishes to their environments.
- **Compare and contrast** the adaptations of the different groups of fishes.
- **Interpret** the phylogeny of fishes.

Georgia QCC: 1.1, 1.2, 2.1, 21.1, 21.2, 21.3

Lesson Resources

- _____ Section Focus Transparency 73 and Master
- _____ Basic Concepts Transparencies 52–53 and Masters
- _____ *BioLab and MiniLab Worksheets*, pp. 133–134 *TCR*
- _____ *Concept Mapping*, p. 30 *TCR*
- _____ *Reinforcement and Study Guide*, pp. 133–134 *TCR*
- _____ *Content Mastery*, p. 150 *TCR*

- _____ **BDOL Videodisc**, Disc 2, Side 1
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web Site:
ga.science.glencoe.com

Optional Resources

- _____ *Laboratory Manual*, pp. 211–212 *TCR*
- _____ *Tech Prep Applications*, pp. 37–38 *TCR*
- _____ *Spanish Resources*

Multimedia Resources

- _____ **BDOL CD-ROM** Section 30.1 Summary
- _____ **MindJogger Videoquizzes**, Ch.30
- _____ **English/Spanish Audiocassettes**, Section 30.1

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Distribute the corrected Chapter 29 tests while students complete the Bellringer for Section 30.1. 	Section Focus Transparency 73 and Master	5 minutes
Discussion <ul style="list-style-type: none"> • Answer Chapter 29 test questions. 	<i>Chapter Assessment</i> , pp. 320–322 <i>TCR</i>	5 minutes
Core Lesson <ul style="list-style-type: none"> • Introduce Chapter 30 with the Getting Started Demo. • Teach the main concepts of Section 30.1. • Do the Quick Demos. 	<i>TWE</i> , p. 816 <i>TWE</i> , pp. 817–826 <i>TWE</i> , pp. 821–822	10–15 minutes
In-Class Check <ul style="list-style-type: none"> • Have students do MiniLab 30-1 and assess their results. • Do the Check for Understanding and Reteach strategies. 	<i>SE</i> and <i>TWE</i> , p. 818 <i>TWE</i> , p. 825	10–15 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 30.1 Assessment. • Assign Problem-Solving Lab 30-1. • Assign relevant questions from Chapter 30 Assessment. 	<i>SE</i> , p. 826 <i>SE</i> , p. 820 <i>SE</i> , pp. 837–839	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Discussion. 	<i>TWE</i> , p. 826	5 minutes

[total = 45 minutes]

Block Schedule Planning Guide

30.2

Amphibians

pages 827–833

Pacing Guide

1/2 period

Lesson & MiniLab

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

Objectives

- **Relate** the demands of a terrestrial environment to the adaptations of amphibians.
- **Relate** the evolution of the three-chambered heart to the amphibian lifestyle.

Georgia QCC: 1.1, 1.2, 1.3, 1.4, 2.1, 3.2, 12.1, 21.1, 21.2, 21.3

Lesson Resources

- _____ Section Focus Transparency 74 and Master
- _____ Basic Concepts Transparency 53 and Master
- _____ *BioLab and MiniLab Worksheets*, pp. 135–138 *TCR*
- _____ *Concept Mapping*, p. 30 *TCR*
- _____ *Reinforcement and Study Guide*, pp. 135–136 *TCR*
- _____ *Content Mastery*, p. 151 *TCR*
- _____ Reteaching Skills Transparency 44 and Master

- _____ **English/Spanish Audiocassettes**, Section 32.2
- _____ **BDOL Videodisc**, Disc 2, Side 1
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web Site:
ga.science.glencoe.com

Optional Resources

- _____ *Laboratory Manual*, pp. 213–218 *TCR*
- _____ *Critical Thinking/Problem Solving*, p. 30 *TCR*
- _____ *Inside Story Poster*, User Guide p. 15 *TCR*
- _____ *Spanish Resources*

Multimedia Resources

- _____ **BDOL CD-ROM** Section 32.2 Summary
- _____ **MindJogger Videoquizzes**, Ch. 32

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students complete the Bellringer for Section 30.2. • Have students check homework answers. 	Section Focus Transparency 74 and Master <i>TWE</i> , pp. 820, 826, 837–839	5 minutes
Discussion <ul style="list-style-type: none"> • Answer homework questions. 	<i>TWE</i> , pp. 820, 826, 837–839	5 minutes
Core Lesson <ul style="list-style-type: none"> • Teach the main concepts of Section 30.2. • Have students complete MiniLab 30-2 and discuss their results. 	<i>TWE</i> , pp. 827–833 <i>SE</i> and <i>TWE</i> , p. 830	15 minutes
In-Class Check <ul style="list-style-type: none"> • Use the Teaching Strategies to discuss the Inside Story. • Answer questions on Chapter 30 in preparation for the test. 	<i>TWE</i> , p. 828 <i>TWE</i> , pp. 816–839	10 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 30.2 Assessment. • Assign relevant questions from Chapter 30 Assessment. 	<i>SE</i> , p. 833 <i>SE</i> , pp. 837–839	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Audiovisual. 	<i>TWE</i> , p. 833	5 minutes

[total = 45 minutes]

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Assessment Resources

- _____ *Chapter Assessment*, Ch. 30 *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. 30
- _____ *ExamView® Pro Software*, Ch. 30
- _____ *BDOL Interactive CD-ROM* Ch. 30 quiz

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students check homework answers. 	<i>TWE</i> , pp. 833, 837–839	5 minutes
Reviewing the Chapter <ul style="list-style-type: none"> • Answer homework questions. • Answer any final questions about Chapter 30. 	<i>TWE</i> , pp. 816–839	5 minutes
Assessment <ul style="list-style-type: none"> • Distribute the test and allow students to work quietly. 	<i>Chapter Assessment</i> , pp. 175–180 <i>TCR</i>	30–35 minutes
Closing <ul style="list-style-type: none"> • As students complete the test, let them explore the Internet connection for Chapter 31. 	ga.science.glencoe.com	0–5 minutes

[total = 45 minutes]