



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	28.1 Characteristics of Arthropods
0.5	28.2 Diversity of Arthropods
0.5	Chapter Assessment

Block Schedule Planning Guide 28.1

Characteristics of Arthropods

pages 761–766

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

Objectives

- **Relate** the structural and behavioral adaptations of arthropods to their ability to live in different habitats.
- **Analyze** the adaptations that make arthropods an evolutionarily successful phylum.

Georgia QCC: 1.1, 1.2, 2.1, 20.2, 20.3

Lesson Resources

- _____ Section Focus Transparency 69 and Master
- _____ Basic Concepts Transparency 49 and Master
- _____ *BioLab and MiniLab Worksheets*, p. 125 *TCR*
- _____ *Reinforcement and Study Guide*, pp. 123–124 *TCR*
- _____ *Content Mastery*, p. 138 *TCR*
- _____ Reteaching Skills Transparency 41 and Master

Multimedia Resources

- _____ **BDOL CD-ROM** Section 28.1 Summary

- _____ **MindJogger Videoquizzes**, Ch. 28
- _____ **English/Spanish Audiocassettes**, Section 28.1
- _____ **BDOL Videodisc**, Disc 1, Side 2
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web Site:
ga.science.glencoe.com

Optional Resources

- _____ *Spanish Resources*

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

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Distribute the corrected Chapter 27 tests while students complete the Bellringer for Section 28.1. 	Section Focus Transparency 69 and Master	5 minutes
Discussion <ul style="list-style-type: none"> • Answer Chapter 27 test questions. 	<i>Chapter Assessment</i> , pp. 314–316 <i>TCR</i>	5 minutes
Core Lesson <ul style="list-style-type: none"> • Introduce Chapter 28 with the Getting Started Demo. • Teach the main concepts of Section 28.1. • Have students complete MiniLab 28-1. 	<i>TWE</i> , p. 760 <i>TWE</i> , pp. 761–766 <i>SE</i> , p. 763	20 minutes
In-Class Check <ul style="list-style-type: none"> • Discuss the MiniLab and assess students' results. • Reinforce Section 28.1 concepts with the Content Mastery worksheet. • Do the Check for Understanding and Reteach Strategies. 	<i>TWE</i> , p. 763 <i>Content Mastery</i> , p. 138 <i>TCR</i> <i>TWE</i> , p. 765	5 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 28.1 Assessment. • Assign the Problem Solving Lab 28-1. Instruct students to answer the Thinking Critically questions in their journals. • Assign relevant questions from Chapter 28 Assessment. 	<i>SE</i> , p. 766 <i>SE</i> , p. 766 <i>SE</i> , pp. 783–785	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Activity. 	<i>TWE</i> , p. 766	5 minutes

[total = 45 minutes]

Block Schedule Planning Guide 28.2

Diversity of Arthropods

pages 767–782

Pacing Guide

1/2 period

Lesson & BioLab

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

Objectives

- **Compare and contrast** the similarities and differences among the major groups of arthropods.
- **Explain** the adaptations of insects that contribute to their success.

Georgia QCC: 1.1, 1.2, 2.1,3.2, 20.1, 20.2, 20.3, 20.4

Lesson Resources

- _____ Section Focus Transparency 70 and Master
- _____ *BioLab and MiniLab Worksheets*, pp. 126–128 *TCR*
- _____ *Concept Mapping*, p. 28 *TCR*
- _____ *Reinforcement and Study Guide*, pp. 125–126 *TCR*
- _____ *Content Mastery*, p. 139 *TCR*
- _____ Reteaching Skills Transparency 41–42 and Master

Multimedia Resources

- _____ **BDOL CD-ROM** Section 28.2 Summary
- _____ **MindJogger Videoquizzes**, Ch. 28
- _____ **English/Spanish Audiocassettes**, Section 28.2

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

Optional Resources

- _____ *Laboratory Manual*, pp. 199–202, 203–204 *TCR*
- _____ *Tech Prep Applications*, pp. 33–34 *TCR*
- _____ *Critical Thinking/Problem Solving*, p. 28 *TCR*
- _____ *Inside Story Poster*, User Guide p. 13 *TCR*
- _____ *Spanish Resources*

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students complete the Bellringer for Section 28.2. • Have students check homework answers. 	Section Focus Transparency 70 and Master <i>TWE</i> , pp. 766, 783–785	5 minutes
Discussion <ul style="list-style-type: none"> • Answer homework questions. 	<i>TWE</i> , pp. 766, 783–785	5 minutes
Core Lesson <ul style="list-style-type: none"> • Teach the main concepts of Section 28.2. • Use the Teaching Strategies to discuss the Inside Story. 	<i>TWE</i> , pp. 767–782 <i>TWE</i> , p. 769	20 minutes
In-Class Check <ul style="list-style-type: none"> • Have students begin the BioLab. (Note: this lab will require 5–10 minutes of at least one additional class period to complete.) • Answer questions on Chapter 28 in preparation for the test. 	<i>SE</i> , pp. 780–781	5 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 28.2 Assessment. • Assign relevant questions from Chapter 28 Assessment. 	<i>SE</i> , p. 775 <i>SE</i> , pp. 783–785	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Activity. 	<i>TWE</i> , p. 775	5 minutes

[total = 45 minutes]

Pacing Guide

1/2 period

Review/Assessment

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of Life

Assessment Resources

- _____ *Chapter Assessment*, Ch. 28 *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. 28
- _____ *ExamView® Pro Software*, Ch. 28
- _____ *BDOL Interactive CD-ROM* Ch. 28 quiz

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students check homework answers. 	<i>TWE</i> , pp. 775, 783–785	5 minutes
Reviewing the Chapter <ul style="list-style-type: none"> • Answer homework questions. • Answer any final questions about Chapter 28. 	<i>TWE</i> , pp. 760–785	5 minutes
Assessment <ul style="list-style-type: none"> • Distribute the test and allow students to work quietly. 	<i>Chapter Assessment</i> , pp. 163–168 <i>TCR</i>	30 minutes
Closing <ul style="list-style-type: none"> • As students complete the test, have them read the Chapter 29 Opener. • If students have time, let them explore the Internet connection for Chapter 29. 	<i>SE</i> , p. 786 ga.science.glencoe.com	5 minutes

[total = 45 minutes]