

Arthropods

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.

Block	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 741–746

Pacing Guide

1/2 block

Lesson & MiniLab

KEY: *SE* = Student Edition, *TWE* = Teacher Wraparound Edition, *TCR* = Teacher Classroom Resources, *BDOL* = Biology: The Dynamics of Life, *URB* = Unit Resources Booklet

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

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.

State/local objectives: _____

Lesson Resources

- _____ Section Focus Transparency 69 and Master, *TCR/URB*
- _____ Basic Concepts Transparency 49 and Master, *TCR/URB*
- _____ *MiniLab Worksheet*, p. 99 *URB*
- _____ *Reinforcement and Study Guide*, *URB* English, pp. 107–108; Spanish, pp. 111–112
- _____ Reteaching Skills Transparency 41 and Master, *TCR/URB*

Multimedia Resources

- _____ **Interactive Chalkboard CD-ROM:** Section 28.1 Presentation
- _____ **MindJogger Videoquizzes**, Ch. 28
- _____ **Guided Reading Audio Summaries MP3**
- _____ **Virtual Labs CD-ROM**
Virtual Lab: *Classifying Animals*
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web site: bdol.glencoe.com

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, <i>TCR/URB</i>	5 minutes
Discussion <ul style="list-style-type: none"> • Answer Chapter 27 test questions. 	<i>Chapter Assessment</i> , pp. 194–195 <i>URB</i>	5 minutes
Core Lesson <ul style="list-style-type: none"> • Introduce Chapter 28 with the Two-Minute Chapter Launcher. • Teach the main concepts of Section 28.1. • Have students complete MiniLab 28.1. 	<i>TWE</i> , p. 740 <i>TWE</i> , pp. 741–746 <i>SE</i> , p. 743	20 minutes
In-Class Check <ul style="list-style-type: none"> • Discuss the MiniLab and assess students' results. • Do the Check for Understanding and Reteach Strategies. 	<i>TWE</i> , p. 743 <i>TWE</i> , p. 746	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. 746 <i>SE</i> , p. 746 <i>SE</i> , pp. 759–761	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Assessment activity. 	<i>TWE</i> , p. 743	5 minutes

[total = 45 minutes]

Block Schedule Planning Guide

28.2

Diversity of Arthropods

pages 747–755

Pacing Guide

1/2 block

Lesson & BioLab

KEY: *SE* = Student Edition, *TWE* = Teacher Wraparound Edition, *TCR* = Teacher Classroom Resources, *BDOL* = Biology: The Dynamics of Life, *URB* = Unit Resources Booklet

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

Objectives

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

State/local objectives: _____

Lesson Resources

- _____ Section Focus Transparency 70 and Master, *TCR/URB*
- _____ *MiniLab Worksheet*, p. 100 *URB*
- _____ *BioLab Worksheet*, pp. 101–102 *URB*
- _____ *Reinforcement and Study Guide*, *URB*
English, pp. 109–110; Spanish, pp. 113–114
- _____ Reteaching Skills Transparencies 41–42 and
Masters, *TCR/URB*

- _____ *MindJogger Videoquizzes*, Ch. 28
- _____ **Guided Reading Audio Summaries MP3**
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web site: bdol.glencoe.com

Optional Resources

- _____ *Laboratory Manual*, pp. 175–178, 179–180 *TCR*
- _____ *Inside Story Poster*, *TCR*
- _____ *Real World BioApplications*, pp. 105–106 *URB*

Multimedia Resources

- _____ **Interactive Chalkboard CD-ROM:**
Section 28.2 Presentation

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>TCR/URB</i> <i>TWE</i> , pp. 746, 759–761	5 minutes
Discussion <ul style="list-style-type: none"> • Answer homework questions. 	<i>TWE</i> , pp. 746, 759–761	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. 747–755 <i>TWE</i> , p. 749	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 block to complete.) • Answer questions on Chapter 28 in preparation for the test. 	<i>SE</i> , pp. 756–757	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. 755 <i>SE</i> , pp. 759–761	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Going Further activity. 	<i>TWE</i> , p. 758	5 minutes

[total = 45 minutes]

Pacing Guide

1/2 block

Review/Assessment

KEY: *SE* = Student Edition,
TWE = Teacher Wraparound
Edition, *TCR* = Teacher Classroom
Resources, *BDOL* = Biology: The
Dynamics of Life, *URB* = Unit
Resources Booklet

Assessment Resources

- _____ *Chapter Assessment*, Ch. 28 *URB*
- _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*

Multimedia Resources

- _____ *MindJogger Videoquizzes*, Ch. 28
- _____ *ExamView®Pro Testmaker CD-ROM*, Ch. 28
- _____ *Interactive Chalkboard CD-ROM:*
Ch. 28 Assessment

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students check homework answers. 	<i>TWE</i> , pp. 755, 759–761	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. 741–761	5 minutes
Assessment <ul style="list-style-type: none"> • Distribute the test and allow students to work quietly. 	<i>Chapter Assessment</i> , pp. 125–130 <i>URB</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. 762 bdol.glencoe.com	5 minutes

[total = 45 minutes]