



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	18.1 Viruses
1	18.2 Archaeobacteria and Eubacteria
0.5	Chapter Assessment

Block Schedule Planning Guide 18.1

Viruses

pages 489–499

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

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

- **Identify** the different kinds of viruses.
- **Compare and contrast** the replication cycles of viruses.

Georgia QCC: 1.1, 1.2, 2.1, 3.2, 4.1, 14.1, 14.2

Lesson Resources

- _____ Section Focus Transparency 43 and Master
- _____ Basic Concepts Transparencies 25–26 and Master
- _____ *BioLab and MiniLab Worksheets*, p. 85 TCR
- _____ *Concept Mapping*, p. 18 TCR
- _____ *Reinforcement and Study Guide*, pp. 79–80 TCR
- _____ *Content Mastery*, p. 90 TCR
- _____ Reteaching Skills Transparency 27 and Master

- _____ *MindJogger Videoquizzes*, Ch. 18
- _____ *English/Spanish Audiocassettes*, Section 18.1
- _____ *BDOL Videodisc*, Disc 1, Side 2
- _____ *Using the Internet in the Science Classroom*, TCR
- _____ Glencoe Science Web Site:
ga.science.glencoe.com

Multimedia Resources

- _____ BDOL CD-ROM Section 18.1 Summary

Optional Resources

- _____ *Laboratory Manual*, pp. 125–128 TCR
- _____ *Spanish Resources*

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Distribute the corrected Chapter 17 tests while students complete the Bellringer for Section 18.1. 	Section Focus Transparency 43 and Master	5 minutes
Discussion <ul style="list-style-type: none"> • Answer Chapter 17 test questions. 	<i>Chapter Assessment</i> , pp. 284–286 TCR	5 minutes
Core Lesson <ul style="list-style-type: none"> • Introduce Chapter 18 with the Getting Started Demo. • Teach the main concepts of Section 18.1. • Do the Quick Demo. 	TWE, p. 488 TWE, pp. 489–497 TWE, p. 491	10–15 minutes
In-Class Check <ul style="list-style-type: none"> • Have students complete MiniLab 18-1. • Assess students' answers to the MiniLab, and discuss their results. • Use the Reteaching Skills Transparency to review the main concepts in Section 18.1. 	SE, p. 490 TWE, p. 490 Reteaching Skills Transparency 27 and Master	10–15 minutes
Homework <ul style="list-style-type: none"> • Have students complete Problem-Solving Lab 18-1. • Assign Section 18.1 Assessment. • Assign relevant questions from Chapter 18 Assessment. 	SE, p. 494 SE, p. 497 SE, pp. 515–517	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Discussion. 	TWE, p. 497	5 minutes

[total = 45 minutes]

Block Schedule Planning Guide

18.2

Archaeobacteria and Eubacteria

pages 500–511

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

Objectives

- Compare the types of prokaryotes.
- Explain the characteristics and adaptations of bacteria.
- Evaluate the economic importance of bacteria.

Georgia QCC: 1.1, 1.2, 1.3, 1.4, 2.1, 3.2, 4.3, 5.2, 5.4, 6.2, 12.3, 14.1, 14.2, 15.1, 15.2, 15.2, 15.4, 25.3

Lesson Resources

- _____ Section Focus Transparency 44 and Master
- _____ Basic Concepts Transparency 27 and Master
- _____ *BioLab and MiniLab Worksheets*, pp. 86–88 TCR
- _____ *Reinforcement and Study Guide*, pp. 81–82 TCR
- _____ *Content Mastery*, p. 91 TCR
- _____ Reteaching Skills Transparency 28 and Master

Multimedia Resources

- _____ BDOL CD-ROM Section 18.2 Summary
- _____ *MindJogger Videoquizzes*, Ch. 18

- _____ **English/Spanish Audiocassettes**, Section 18.2
- _____ **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. 129–132 TCR
- _____ *Critical Thinking/Problem Solving*, p. 18 TCR
- _____ *Inside Story Poster*, User Guide p. 9 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 18.2. • Have students check homework answers. 	Section Focus Transparency 43 and Master <i>TWE</i> , pp. 494, 497, 515–517	5 minutes
Discussion <ul style="list-style-type: none"> • Answer homework questions. 	<i>TWE</i> , pp. 494, 497, 515–517	5 minutes
Core Lesson <ul style="list-style-type: none"> • Teach the main concepts of Section 18.2. • Use the Teaching Strategies and Visual Learning aides to review the Inside Story. 	<i>TWE</i> , pp. 500–511 <i>TWE</i> , p. 503	30–35 minutes
In-Class Check <ul style="list-style-type: none"> • Have students work on the BioLab. (Note: this lab requires a 15 minute follow-up session 48 hours after the lab is begun.) • Answer questions on Chapter 18 in preparation for the test. 	<i>SE</i> , pp. 512–513 <i>TWE</i> , pp. 488–517	35–40 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 18.2 Assessment. • Assign relevant questions from Chapter 18 Assessment. 	<i>SE</i> , p. 511 <i>SE</i> , pp. 515–517	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Brainstorming Activity. 	<i>TWE</i> , p. 511	5 minutes

[total = 90 minutes]

Viruses and Bacteria

Pacing Guide

1/2 period

Review/Assessment

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Geographic Society videodisc,
BDOL = Biology: The Dynamics
of Life

Assessment Resources

- _____ *Chapter Assessment*, Ch. 18 *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. 18
- _____ *ExamView® Pro Software*, Ch. 18
- _____ *BDOL Interactive CD-ROM* Ch. 18 quiz

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students check homework answers. 	<i>TWE</i> , p. 511	5 minutes
Reviewing the Chapter <ul style="list-style-type: none"> • Answer homework questions. • Answer any final questions about Chapter 18. 	<i>TWE</i> , pp. 488–517	5 minutes
Assessment <ul style="list-style-type: none"> • Distribute the test and allow students to work quietly. 	<i>Chapter Assessment</i> , pp. 103–108 <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 19. 	ga.science.glencoe.com	0–5 minutes

[total = 45 minutes]