



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	22.3 Seed Plants
0.5	Chapter Assessment

Block Schedule Planning Guide

22.3

Seed Plants

pages 608–620

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

Objectives

- Identify the characteristics of seed plants.
- Analyze the advantages of seed and fruit production.

Georgia QCC: 1.1, 1.2, 2.1, 3.2, 19.1, 19.2

Lesson Resources

- _____ Section Focus Transparency 54 and Master
- _____ Basic Concepts Transparency 34 and Master
- _____ *BioLab and MiniLab Worksheets*, pp. 102–104 TCR
- _____ *Concept Mapping*, p. 22 TCR
- _____ *Reinforcement and Study Guide*, pp. 100 TCR
- _____ *Content Mastery*, p. 111 TCR

Multimedia Resources

- _____ BDOL CD-ROM Section 22.3 Summary
- _____ MindJogger Videoquizzes, Ch. 22

- _____ English/Spanish Audiocassettes, Section 22.3
- _____ 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. 157–160 TCR
- _____ *Critical Thinking/Problem Solving*, p. 22 TCR
- _____ *Biology Projects*, pp. 25–28 TCR
- _____ *Spanish Resources*

Pacing Guide

1 period

Lesson & BioLab

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 21 tests while students complete the Bellringer for Section 22.3. 	Section Focus Transparency 54 and Master	10 minutes
Discussion <ul style="list-style-type: none"> • Answer Chapter 21 test questions. 	<i>Chapter Assessment</i> , pp. 296–298 TCR	5 minutes
Core Lesson <ul style="list-style-type: none"> • Introduce Section 22.3 with the Quick Demo. • Teach the main concepts of Section 22.3. • Have students complete BioLab. • Use the Teaching Strategies to discuss the Inside Story. 	TWE, p. 610 TWE, pp. 608–617 SE, pp. 618–619 TWE, p. 613	45 minutes
In-Class Check <ul style="list-style-type: none"> • Discuss the BioLab and assess students' results. • Reinforce Section 22.3 concepts with the Content Mastery worksheet. • Do the Check for Understanding and Reteach Strategies. 	TWE, pp. 618–619 <i>Content Mastery</i> , p. 111 TCR TWE, pp. 616–617	15 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 22.3 Assessment. • Assign relevant questions from Chapter 22 Assessment. 	SE, p. 617 SE, pp. 621–623	10 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Activity. 	TWE, p. 617	5 minutes

[total = 90 minutes]

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Geographic Society videodisc,
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of Life

Assessment Resources

- _____ *Chapter Assessment*, Ch. 22 *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. 22
- _____ *ExamView® Pro Software*, Ch. 22
- _____ *BDOL Interactive CD-ROM* Ch. 22 quiz

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students check homework answers. 	<i>TWE</i> , pp. 617, 621–623	10 minutes
Reviewing the Chapter <ul style="list-style-type: none"> • Answer homework questions. • Answer any final questions about Chapter 22. 	<i>TWE</i> , pp. 596–623	5 minutes
Assessment <ul style="list-style-type: none"> • Distribute the test and allow students to work quietly. 	<i>Chapter Assessment</i> , pp. 127–132 <i>TCR</i>	20 minutes
Closing <ul style="list-style-type: none"> • As students complete the test, have them read the Chapter 23 Opener. • If students have time, let them explore the Internet connection for Chapter 23. 	<i>SE</i> , p. 624 ga.science.glencoe.com	10 minutes

[total = 45 minutes]