

Reproduction in Plants

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	24.2 Flowers and Flowering
0.5	24.3 The Life Cycle of a Flowering Plant
0.5	Chapter Assessment

Block Schedule Planning Guide 24.2

Flowers and Flowering

pages 641–645

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

Pacing Guide

1/2 block

Lesson & Problem-Solving Lab

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

Objectives

- **Identify** the organs of a flower.
- **Examine** how photoperiodism influences flowering.

State/local objectives: _____

Lesson Resources

- _____ Section Focus Transparency 59 and Master, *TCR/URB*
- _____ Basic Concepts Transparencies 42–43 and Masters, *TCR/URB*
- _____ *Reinforcement and Study Guide*, *URB* English, p. 107; Spanish, p. 111
- _____ Reteaching Skills Transparency 37 and Master, *TCR/URB*

Multimedia Resources

- _____ **Interactive Chalkboard CD-ROM:** Section 24.2 Presentation
- _____ **MindJogger Videoquizzes**, Ch. 24
- _____ **Guided Reading Audio Summaries MP3**
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web site: bdol.glencoe.com

Optional Resources

- _____ *Inside Story Poster*, *TCR*

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Distribute the corrected Chapter 23 tests while students complete the Bellringer for Section 24.2. 	Section Focus Transparency 59 and Master, <i>TCR/URB</i>	5 minutes
Discussion <ul style="list-style-type: none"> • Answer Chapter 23 test questions. 	<i>Chapter Assessment</i> , pp. 172–173 <i>URB</i>	5 minutes
Core Lesson <ul style="list-style-type: none"> • Introduce Section 24.2 with the Quick Demo. • Teach the main concepts of Section 24.2. • Use the Teaching Strategies to discuss the Inside Story. • Have students complete Problem-Solving Lab 24.2. Instruct students to answer the Thinking Critically questions in their journals. 	<i>TWE</i> , p. 643 <i>TWE</i> , pp. 641–645 <i>TWE</i> , p. 642 <i>SE</i> , p. 644	20 minutes
In-Class Check <ul style="list-style-type: none"> • Discuss the Problem-Solving Lab and assess students' results. • Do the Check for Understanding and Reteach Strategies. 	<i>TWE</i> , p. 644 <i>TWE</i> , p. 645	5 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 24.2 Assessment. • Assign relevant questions from Chapter 24 Assessment. 	<i>SE</i> , p. 645 <i>SE</i> , pp. 661–663	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Extension activity. 	<i>TWE</i> , p. 645	5 minutes

[total = 45 minutes]

Block Schedule Planning Guide 24.3

The Life Cycle of a Flowering Plant

pages 646–657

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

Pacing Guide

1/2 block

Lesson & BioLab

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Objectives

- **Survey and identify** the methods of reproduction, growth, and development in flowering plants.
- **Outline** the processes in which cells differentiate during the formation of seeds and fruits and during seed germination.

State/local objectives: _____

Lesson Resources

- _____ Section Focus Transparency 60 and Master, *TCR/URB*
- _____ *MiniLab Worksheet*, p. 102 *URB*
- _____ *Reinforcement and Study Guide*, *URB* English, p. 108; Spanish, p. 112

- _____ *MindJogger Videoquizzes*, Ch. 24
- _____ **Guided Reading Audio Summaries MP3**
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web site: bdol.glencoe.com

Multimedia Resources

- _____ **Interactive Chalkboard CD-ROM:** Section 24.3 Presentation

Optional Resources

- _____ *Laboratory Manual*, pp. 151–154, 155–158 *TCR*

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students complete the Bellringer for Section 24.3. • Have students check homework answers. 	Section Focus Transparency 60 and Master, <i>TCR/URB</i> <i>TWE</i> , pp. 645, 661–663	5 minutes
Discussion <ul style="list-style-type: none"> • Answer homework questions. 	<i>TWE</i> , pp. 645, 661–663	5 minutes
Core Lesson <ul style="list-style-type: none"> • Teach the main concepts of Section 24.3. • Have students conduct the BioLab. Instruct them to read the entire lab and complete all steps in the Procedure. 	<i>TWE</i> , pp. 646–657 <i>SE</i> , pp. 658–659	15 minutes
In-Class Check <ul style="list-style-type: none"> • Allow students to compare their findings from the BioLab, and have them answer the Analyze and Conclude questions. • Do the Check for Understanding and Reteach Strategies. • Answer questions on Chapter 24 in preparation for the test. 	<i>SE</i> , pp. 658–659 <i>TWE</i> , p. 657 <i>TWE</i> , pp. 633–663	10 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 24.3 Assessment. • Assign relevant questions from Chapter 24 Assessment. 	<i>SE</i> , p. 657 <i>SE</i> , pp. 661–663	5 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Assessment activity. 	<i>TWE</i> , p. 657	5 minutes

[total = 45 minutes]

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1/2 block

Review/Assessment

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Resources, *BDOL* = Biology: The
Dynamics of Life, *URB* = Unit
Resources Booklet

Assessment Resources

- _____ *Chapter Assessment*, Ch. 24 *URB*
- _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*

Multimedia Resources

- _____ *MindJogger Videoquizzes*, Ch. 24
- _____ *ExamView® Pro Testmaker CD-ROM*, Ch. 24
- _____ **Interactive Chalkboard CD-ROM:**
Ch. 24 Assessment

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students check homework answers. 	<i>TWE</i> , pp. 657, 661–663	5 minutes
Reviewing the Chapter <ul style="list-style-type: none"> • Answer homework questions. • Answer any final questions about Chapter 24. 	<i>TWE</i> , pp. 633–663	5 minutes
Assessment <ul style="list-style-type: none"> • Distribute the test and allow students to work quietly. 	<i>Chapter Assessment</i> , pp. 137–142 <i>URB</i>	30 minutes
Closing <ul style="list-style-type: none"> • As students complete the test, have them read the Chapter 25 Opener. • If students have time, let them explore the Internet connection for Chapter 25. 	<i>SE</i> , p. 672 bdol.glencoe.com	5 minutes

[total = 45 minutes]

Pacing Guide

1 block
BioDigest

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National Science Content Standards: UCP.1–5; B.2; C.3–6

Lesson Resources

_____ *Reinforcement and Study Guide, URB*
English, pp. 145–146; Spanish, pp. 147–148

Multimedia Resources

_____ *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"> Have students complete the Focus Bellringer activity. 	TWE, p. 664	10 minutes
Discussion <ul style="list-style-type: none"> If the BioDigest is being used as an overview for Unit 7 or in place of Unit 7, return Chapter 20 tests and answer any test questions. 	<i>Chapter Assessment</i> , p. 184 <i>URB</i>	10 minutes
Core Lesson <ul style="list-style-type: none"> Introduce BioDigest 7 with the Quick Demo. Teach the main concepts of BioDigest 7. Use the Brainstorming and Visual Learning strategies. 	<i>TWE</i> , p. 665 <i>TWE</i> , pp. 664–667 <i>TWE</i> , p. 688	40 minutes
In-Class Check <ul style="list-style-type: none"> Review concepts with the Reinforcement and Study Guides. Do the Check for Understanding and Reteach strategies. 	<i>Reinforcement and Study Guide, URB</i> English, pp. 145–146; Spanish, pp. 147–148 <i>TWE</i> , p. 667	15 minutes 10 minutes
Homework <ul style="list-style-type: none"> Assign the Assessment. 	<i>SE</i> , p. 667	
Closing <ul style="list-style-type: none"> Assess students with the Assessment activity. 	<i>TWE</i> , p. 667	5 minutes

[total = 90 minutes]