

CONTENTS

| | |
|---|-----------|
| Preface | xiii |
| About the Authors | xvii |
| ONE Getting Ready to Wiki | 1 |
| Opportunities for Online Learning | 2 |
| What Is a Wiki? | 3 |
| Types of Wikis | 6 |
| Choosing the Right Wiki | 9 |
| Features of Wikis | 10 |
| Setting Up the Wiki | 17 |
| Summary | 19 |
| TWO Designing Wiki Projects for Collaborative Learning | 21 |
| Teaching and Learning Through Wikis | 21 |
| Laying the Foundation—Preparing Students for Wiki Work | 22 |
| Building the Framework—Designing the Wiki Project | 31 |
| Monitoring Construction—Managing the Wiki Process | 45 |
| Summary | 57 |
| THREE Wiki Projects for Knowledge Construction | 59 |
| Resource Bank | 60 |
| Frequently Asked Questions | 62 |

| | |
|--|------------|
| Error Finding and Correcting | 64 |
| Historical Time Line | 66 |
| Annotated Bibliography | 69 |
| Online Dialogue | 72 |
| Group Summary | 73 |
| Class Encyclopedia | 74 |
| Summary | 77 |
| | |
| FOUR Wiki Projects for Critical Thinking | 79 |
| “What If . . . ?” Scenarios | 80 |
| Case Studies | 82 |
| Debates | 85 |
| Collaborative Research Papers | 88 |
| Evaluation or Research Study | 90 |
| Frame-Based Writing | 93 |
| Nominal Group Technique | 95 |
| Structured Online Critiques | 98 |
| Summary | 100 |
| | |
| FIVE Wiki Projects for Contextual Application | 101 |
| Event Plan | 102 |
| Process Map | 104 |
| Virtual Science Lab | 109 |
| Field Research Project | 112 |
| Story Creation | 114 |
| Team Challenge | 115 |
| Media Design Project | 118 |
| Service Learning Project | 121 |
| Summary | 123 |
| | |
| SIX Wikis Today and Tomorrow | 125 |
| The Value of Collaborative Writing | 125 |
| Integrating Wikis with Other Technologies | 126 |

| | |
|------------------------------|------------|
| What the Future Holds | 126 |
| An Invitation to Collaborate | 128 |
| ADDITIONAL RESOURCES | 129 |
| Wikis for Educators | 129 |
| Web 2.0 | 129 |
| Collaborative Writing | 130 |
| Scaffolding | 130 |
| Bloom’s Taxonomy | 130 |
| References | 131 |
| Index | 135 |

EXHIBITS

ONE

| | |
|---|---|
| Exhibit 1.1. Comparison of Asynchronous Communication Tools | 5 |
| Exhibit 1.2. Strengths and Limitations of Wiki Services | 8 |

TWO

| | |
|--|----|
| Exhibit 2.1. Wiki Project Categories Based on Bloom’s Taxonomy | 33 |
| Exhibit 2.2. Sample Home Page | 36 |
| Exhibit 2.3. Sample Content Page with Scaffolding | 37 |
| Exhibit 2.4. Wiki Collaboration—First Group Process Check | 40 |
| Exhibit 2.5. Wiki Collaboration—Second Group Process Check | 42 |
| Exhibit 2.6. Wiki Collaboration—Project Outcomes | 43 |
| Exhibit 2.7. Sample Trust Exercises | 48 |
| Exhibit 2.8. Constructive and Unconstructive Editing Behaviors | 53 |

THREE

| | |
|---|----|
| Exhibit 3.1. Wiki Projects for Knowledge Construction | 60 |
| Exhibit 3.2. Sample Annotations | 70 |

FOUR

| | |
|--|----|
| Exhibit 4.1. Wiki Projects for Critical Thinking | 80 |
| Exhibit 4.2. Sample “What If . . . ?” Scenario | 82 |
| Exhibit 4.3. Sample Debate Wiki | 86 |

| | |
|---|----|
| Exhibit 4.4. Sample Opinion Frame | 94 |
| Exhibit 4.5. Sample Justification Frame | 95 |
| Exhibit 4.6. Nominal Group Technique Wiki | 97 |

FIVE

| | |
|--|-----|
| Exhibit 5.1. Wiki Projects for Contextual Application | 102 |
| Exhibit 5.2. Sample Discussion Starter for Process Mapping | 106 |

FIGURES

ONE

- Figure 1.1. WikiMatrix Web Site (www.wikimatrix.org) 11
Figure 1.2. pbWiki Wiki Creation Page (www.pbWiki.com) 18

TWO

- Figure 2.1. Wiki Collaboration Skills and Behaviors 27

THREE

- Figure 3.1. Frequently Asked Questions Wiki 63
Figure 3.2. Sample Time Line Wiki 67

FOUR

- Figure 4.1. Debatepedia Wiki 87
Figure 4.2. Sample Collaborative Research Paper 89
Figure 4.3. Sample Dissertation Research Proposal Wiki 92

FIVE

- Figure 5.1. Sample Macro Map 107
Figure 5.2. Sample Process Map 108
Figure 5.3. DNA Microarray Virtual Lab from Wikiversity 110
Figure 5.4. Sample Project Proposal 119

