

# Contents

<i>Acknowledgments</i>	vi
<i>About the Handbook</i>	vii

## **Introduction to Project Based Learning 3**

<b>A BRIEF HISTORY OF PBL</b>	3
<b>DEFINING STANDARDS-FOCUSED PBL</b>	4
<b>THE BENEFITS OF PBL</b>	5
<b>PBL IN YOUR CLASSROOM</b>	7
<b>COVERAGE VERSUS “UNCOVERAGE”</b>	7
<b>ARE YOUR STUDENTS CAPABLE?</b>	8
<b>YOUR STYLE AND SKILLS</b>	8
<b>PBL AND YOUR SCHOOL</b>	9

## **DESIGNING AND PLANNING SUCCESSFUL PROJECTS**

### **Begin with the End in Mind 13**

*Great projects begin with planning for the end result.  
In this section, you’ll learn to conceive manageable  
projects with engaging themes and high standards.*

<b>FIRST STEPS</b>	13
<b>1</b> Develop a Project Idea	13
<b>2</b> Decide the Scope of the Project	14
<b>3</b> Select Standards	16
<b>4</b> Incorporate Simultaneous Outcomes	17
<b>5</b> Work from Project Design Criteria	18
<b>6</b> Create the Optimal Learning Environment	21
<b>IDEA BANK</b>	23

## **Craft the Driving Question** 37

*Here, you will learn about a critical task: distilling the theme and content standards into a significant, meaningful question that engages students and helps them focus their efforts throughout the project.*

### **GUIDELINES FOR THE DRIVING QUESTION** 37

### **REFINING THE DRIVING QUESTION** 39

### **IDEA BANK** 41

## **Plan the Assessment** 45

*Every project should be driven by an explicit set of outcomes that encompass the key content, skills, and habits of mind that students are expected to learn. In this section, you will learn how to develop multiple products that give all students opportunities to demonstrate their learning and that form the basis for a balanced assessment plan for the project. You will also learn to develop rubrics.*

### **CREATING A BALANCED ASSESSMENT PLAN** 45

- 1** Align Products with Outcomes 46
- 2** Know What to Assess 51
- 3** Use Rubrics 51

### **IDEA BANK** 58

## **Map the Project** 83

*Analyzing instructional needs, planning activities, estimating time, and preparing resources are key tasks in a project. This section highlights these tasks—and shows you how to be successful as a project planner.*

### **KEY STEPS** 83

- 1** Organize Tasks and Activities 83
- 2** Decide How to Launch the Project 84
- 3** Gather Resources 85
- 4** Draw a “Storyboard” 86

### **IDEA BANK** 88

## **Manage the Process 97**

*As a PBL teacher, you can successfully manage the process of learning by using tools and strategies that bring structure and accountability to the process. This section offers specific recommendations for managing and evaluating a project.*

### **ANTICIPATING YOUR ROLE 97**

#### **KEY STEPS 98**

- 1** Share Project Goals with Students 98
- 2** Use Problem-Solving Tools 99
- 3** Use Checkpoints and Milestones 100
- 4** Plan for Evaluation and Reflection 101

### **IDEA BANK 103**

## **IMPLEMENTING PROJECTS**

### **Project Examples 127**

<b>THE SUBTLE MEDIA MANIPULATION PROJECT</b>	127
<b>THE HISPANIC DIABETES EDUCATION PROJECT</b>	132
<b>THE UP TO PAR PROJECT</b>	134
<b>THE SHUTESBURY WATER PROJECT</b>	137
<b>THE COMING TO CALIFORNIA PROJECT</b>	140

### **What Do PBL Teachers Say? 151**

### **Project Planning Form 179**