



**IMPROVING  
STUDENTS'  
WEB USE AND  
INFORMATION  
LITERACY**

**A GUIDE FOR TEACHERS AND  
TEACHER LIBRARIANS**

**JAMES E. HERRING**

# Contents

<b>Acknowledgements</b> .....	<b>xi</b>
<b>Introduction</b> .....	<b>xiii</b>
The aims of this book.....	xiii
The structure of the book .....	xiv
Who should read this book? .....	xv
<b>1 The big picture: learning and teaching in today's schools</b> .....	<b>1</b>
Introduction .....	2
The purposes of education and schools .....	3
Learning theories .....	4
Teaching in schools .....	6
Incorporating the web into teaching.....	9
Collaboration between teachers and teacher librarians .....	13
Conclusion .....	13
References .....	14
<b>2 Finding and using information on the web</b> .....	<b>15</b>
Introduction.....	16
Search engines .....	16

Effective searching .....	26
In-service training on effective searching .....	30
Conclusion .....	32
References .....	32
<b>3 Evaluating websites .....</b>	<b>35</b>
Introduction.....	36
Website evaluation criteria.....	36
Conclusion .....	44
References .....	45
<b>4 Web 2.0 and schools.....</b>	<b>47</b>
Introduction.....	48
What is Web 2.0? .....	48
Conclusion .....	58
References .....	59
<b>5 Information literacy.....</b>	<b>61</b>
Introduction.....	62
Definitions of information literacy .....	62
Information literacy models .....	63
Information literacy and transfer .....	70
Collaboration between teachers and teacher librarians .....	71
In-service training on information literacy.....	72
Conclusion .....	74
References .....	74
<b>6 Improving student use of the web .....</b>	<b>77</b>
Introduction.....	78
Planning for web searching .....	78
Using effective search strategies.....	79
Evaluating websites and web-based information .....	83
Reading for information.....	84
Reflecting on web use .....	85
Developing a personal model for web use .....	87
Conclusion .....	88
References .....	88

<b>7</b>	<b>Developing learning websites for student use – design and tools.....</b>	<b>91</b>
	Introduction.....	92
	Learning websites .....	92
	Website design .....	93
	Website development tools.....	98
	In-service training on website design.....	106
	Conclusion .....	107
	References .....	107
<b>8</b>	<b>Developing learning websites for student use – content.....</b>	<b>109</b>
	Introduction .....	110
	Subject content .....	110
	Developing e-pathfinders as learning websites .....	111
	References .....	125
<b>9</b>	<b>The next phase of ICT in schools .....</b>	<b>127</b>
	Introduction .....	128
	21st-century skills .....	128
	Future developments on the web.....	129
	Future learning technologies in schools.....	130
	Future roles for the teacher and teacher librarian.....	131
	Developing information literate students.....	132
	Conclusion .....	133
	References .....	133
	<b>Bibliography .....</b>	<b>135</b>
	<b>Index .....</b>	<b>141</b>