CONTENTS

ix **Introduction**NANCY WALKUP

PART 1: DEFINING MEDIA ARTS

2 New Standards Bring Innovation to Schools

MARTIN RAYALA

- 6 **Do You Hate Technology?**KAREN KEIFER-BOYD
- 8 **Going Digital**DEBRA TROYANOS
- 12 **AP-Advanced Play**KASMIRA MOHANTY

PART 2: DIGITAL DESIGN

- 18 **Magnificent Moiré**KASMIRA MOHANTY
- 22 **Architexture** KRISTINE COBB
- 26 Constructing Personal Meaning MICHAEL SACCO
- 30 **Photoshop for Painters**DAVID GRAN
- 34 **Robot Zoo**DIANE WILKIN
- 38 Arcimboldo-Inspired Digital Collage KRISTINE COBB
- 42 **Concrete Poetry**CATHY TACCI BECK



PART 3: FILM, ANIMATION & GAME DESIGN

- 48 Who Is an American? FLÁVIA BASTOS AND JAMES REES
- 52 Are We Living in a **Brave New World?** DAVID GRAN
- 56 **Roto-What?** JEANNE BJORK
- 60 The GIF Project KASMIRA MOHANTY
- 64 The Talking Tigers Sing IAN SANDS
- 66 Bioshocked JEREMY MICHAEL BLAIR

PART 4: VIRTUAL REALITY, 3D PRINTING & ROBOTICS

- 70 Let's Get Real THERESA MCGEE
- 72 **Ready Student Fun KEVIN FOGELSON**
- 76 **Getting Started with 3D Printing** ANNEMARIE BALDAUF
- 82 The Open Press Project CHRISTOPHER SWEENEY
- 86 Wearable Works JANINE CAMPBELL
- 90 **Experiential Art** DAVID GRAN



PART 5: DIGITAL PHOTOGRAPHY

- 98 Paint the World with Light DAVID GRAN
- 104 The Average Image CHRISTOPHER DEMAYO
- **Significant Self-Portraits** 108 JAYMIE PAIGE STEIN
- 114 **Toy Stories** KELLY MONCURE
- 118 **Beyond the Average Selfie** JEANNE BJORK
- 122 The Remix JOE MEDINA
- 126 **Spontaneous Portraiture** CRAIG HUFFMAN AND MATT YOUNG
- 130 **Digital Gets Dirty** JEANNE BJORK
- 134 **Scanner Self-Portraits** TRACEY HUNTER-DONIGER