# Table of Contents

**Foreword** ......................................................................................................................................................... xv

**Preface** ................................................................................................................................................................... xviii

**Acknowledgment** .................................................................................................................................................... xxii

**Chapter 1**
Preparing to Teach with Flipped Classroom in Teacher Preparation Programs ................................. 1

* Beverly B. Ray, Idaho State University, USA
* Angiline Powell, University of Memphis, USA

**Chapter 2**
Promoting Active Learning through a Flipped Course Design ............................................................. 23

* Heather D. Hussey, Northcentral University, USA
* Bethany K. B. Fleck, Metropolitan State University of Denver, USA
* Aaron S. Richmond, Metropolitan State University of Denver, USA

**Chapter 3**
A Teaching Model for the College Algebra Flipped Classroom .......................................................... 47

* Lori Ogden, West Virginia University, USA
* Laura J. Pyzdrowski, West Virginia University, USA
* Neal Shambaugh, West Virginia University, USA

**Chapter 4**
A Flipped Classroom Design for Preservice Teacher Training in Assessment ................................. 71

* Isabelle Nizet, Université de Sherbrooke, Canada
* Florian Meyer, Université de Sherbrooke, Canada

**Chapter 5**
Triumphs and Tribulations of the Flipped Classroom: A High School Teacher’s Perspective .......... 91

* Frederick J. Carstens, Tapestry Charter School, USA
* Milton Sheehan, Tapestry Charter School, USA
Chapter 6
Flipping STEM Learning: Impact on Students’ Process of Learning and Faculty Instructional Activities................................................................. 113

Dianna L. Newman, SUNY Albany, USA
Meghan Morris Deyoe, SUNY Albany, USA
Kenneth A. Connor, Rensselaer Polytechnic Institute, USA
Jessica M. Lamendola, SUNY Albany, USA

Chapter 7
Benefits of the Flipped Classroom Model ................................................................. 132

Marie Larcara, Canisius College, USA

Chapter 8
Flipping the Classroom in a Teacher Education Course ........................................... 145

Patricia Dickenson, National University, USA

Chapter 9
Active Learning in the Flipped English Language Arts Classroom .............................. 163

Clarice Moran, North Carolina State University, USA
Carl A. Young, North Carolina State University, USA

Chapter 10
Blend the Lab Course, Flip the Responsibility .......................................................... 185

Mark A. Gallo, Niagara University, USA

Chapter 11
The Flipped Model in an Advanced Placement United States History Course ............... 208

Ronald H. Kotlik, Canisius College, USA & Clarence High School, USA

Chapter 12
Global Kitchen Project: Promoting Healthy Eating Habits and Developing 21st Century Skills among Children through a Flipped Classroom Model......................................................... 226

Melda N. Yildiz, Kean University, USA
Altagracia Petela, Kean University, USA
Brianne Mahoney, Kean University, USA

Chapter 13
Using the Flipped Classroom Instructional Approach to Foster a Mathematics-Anxious-Friendly Learning Environment ................................................................. 245

Chris L. Yuen, SUNY Buffalo, USA

Chapter 14
Student Rates of Outside Preparation before Class Discussion of New Course Topics: A Case Study of a Flipped Classroom ................................................................. 269

Clare A. Francis, University of North Dakota, USA
Chapter 15
Flipping the Constitutional Law Classroom: Engaging First Year Law Students in Active Learning ................................................................. 282

Julia L. Ernst, University of North Dakota, USA

Compilation of References ................................................................................................................................. 300

About the Contributors ................................................................................................................................... 324

Index ............................................................................................................................................................... 331