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| 1. Record Nr.           | UNINA9910502979403321   |
| Autore                  | Gibbons Andrew S.   |
| Titolo                  | Conversational Forms of Instruction and Message Layer Design / / by Andrew S. Gibbons, Elizabeth Boling   |
| Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021   |
| ISBN                    | 9783030842208<br>3030842207   |
| Edizione                | [1st ed. 2021.]   |
| Descrizione fisica      | 1 online resource (93 pages)  |
| Collana                 | SpringerBriefs in Educational Communications and Technology, , 2196-4998  |
| Disciplina              | 371.3   |
| Soggetti                | Educational technology<br>Learning, Psychology of<br>Educational psychology<br>Digital Education and Educational Technology<br>Instructional Theory<br>Educational Psychology   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Nota di bibliografia    | Includes bibliographical references.  |
| Nota di contenuto       | Chapter 1 – Instruction as a Conversation: The Imperative for Message Layer Design -- Chapter 2 – Conversation Theory and the Message Construct -- Chapter 3 –Message Structure, Educational Psychology, and Instructional Technology -- Chapter 4 –Message Structure and Intelligent Tutoring Systems -- Chapter 5 – Message Structure, the Learning Sciences, and Social Learning Theory -- Chapter 6 – Results and Conclusion.   |
| Sommario/riassunto      | This book examines the theoretical basis of one of the functional layers—the message layer—of an architectural theory of instructional design. The architectural theory (Gibbons, 2003; Gibbons & Rogers, 2009; Gibbons, 2014) identifies seven functions carried out during instruction that correspond with designable strata, or layers. The architectural theory proposes that for each layer there exists a specialized body of design languages, constructs, questions, tools, practices, processes, a professional community, and most especially, |

bodies of design theory. It also proposes that design knowledge from other design fields, many of which approach design from the same functional perspective, can be appropriated for the further development of knowledge within the instructional technology field. A robust literature from disparate fields supplies relevant theory for message layer design. This book builds the case for validation of the message layer by bringing together work from instructional theory, conversation theory, research in the learning sciences, intelligent tutoring system research, and K-12 education. Within this literature, the authors demonstrate the existence of the message as a structural abstraction: an independently designable entity. They trace the development of the message construct historically, showing that it has remained remarkably stable over time, independent of changing psychological, educational, and technological conventions. .

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| 2. Record Nr.           | UNINA9910874671403321  |
| Autore                  | Dannenfelser David   |
| Titolo                  | The Art of Effective Science Communication : A Performer's Guide to Public Speaking // by David Dannenfelser   |
| Pubbl/distr/stampa      | Cham : , : Springer Nature Switzerland : , : Imprint : Palgrave Macmillan, , 2024  |
| ISBN                    | 9783031570308<br>9783031570292   |
| Edizione                | [1st ed. 2024.]  |
| Descrizione fisica      | 1 online resource (118 pages)  |
| Collana                 | Palgrave Practical Guides in Communication, , 3004-9040  |
| Disciplina              | 501.4  |
| Soggetti                | Communication in science<br>Communication<br>Science in popular culture<br>Science Communication<br>Media and Communication<br>Public Understanding of Science |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |

## Nota di contenuto

A PREFACE FOR CONTEXT -- INTRODUCTION -- PART ONE THEORY -- Chapter 2: Process Versus Result Orientation -- Chapter 3: Intuition and its uses in Communication -- Chapter 4: Acting Techniques applied to Science Communication -- Chapter 5: The Development of Ensemble -- Practical Games & Exercises -- PART TWO PRACTICE -- Chapter 6: Writing your speech -- Chapter 7: Analyzing your speech -- Chapter 8: Working In-Role -- Chapter 9: The importance of Rehearsal -- Practical Games & Exercises -- PART THREE PERFORMANCE -- Chapter 10: Relationship to the Audience -- Chapter 11: Sharing your speech -- The Performance -- Practical Games & Exercises -- PART FOUR THE WAY FORWARD -- Chapter 12: Perceptions, Misconceptions and Final Thoughts.

## Sommario/riassunto

This book shows readers how the arts of improvisational theater and acting can help scientists and other experts speak about technical research to lay audiences. Focused on public speaking, this book translates the principles and processes used by actors and other theater professionals into a method for communicating science to the general public. The book is structured as a step-by-step examination of how to write an effective speech and then a guide to carefully analyzing that speech as an actor does in rehearsal before finally sharing it with an audience as a performance. In other words, the book helps science communicators identify what to say and how to say it. This book also includes prompts and exercises that the author has used in classes and workshops with scientists. David Dannenfelser teaches in the Mason Gross School of the Arts at Rutgers University-New Brunswick (USA) and regularly runs classes and workshops where scientists practice acting skills to become better science communicators and public speakers. .