1. Record Nr. UNINA9910779494703321

Autore	Nevills Pamela
Titolo	Build the brain for reading, grades 4-12 / / Pamela Nevills ; foreword by Patricia Wolfe
Pubbl/distr/stampa	Thousand Oaks, Calif., : Corwin London, : SAGE, c2011 Thousand Oaks, Calif. : , : Corwin, , 2011
ISBN	1-4522-3589-9 1-4129-6110-6 1-4522-2322-X
Descrizione fisica	1 online resource (xi, 188 pages) : illustrations
Collana	Gale eBooks
Disciplina	372.416
Soggetti	Developmental reading Reading - Physiological aspects Reading, Psychology of
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Foreword; Preface; Acknowledgments; About the Author; 1 - Learning From Childhood to Adulthood; 2 - Brain Structures Accessed for Reading; 3 - Learning and Neuron Activity; 4 - Memory Systems and Learning; 5 - Reading With Comprehension, Automaticity, and Fluency; 6 - Motivation and Ability to Learn Through the Grades; 7 - Neurology and Technology for All Aspects of the Curriculum; 8 - Older StudentsWho Struggle With Reading to Learn; 9 - Neurology for All Content Areas; 10 - Resources, Connections, and Future Classrooms; Glossary; References and Further Reading; Index
Sommario/riassunto	This title will help teachers understand brain development and how it relates to all aspects of literacy, including phonemic awareness, vocabulary, writing, fluency, and comprehension. Along with classroom activities that build skills in these areas, the book also includes current research and theory.

2. Record Nr. UNINA9910508451503321

Autore	Trauth Martin H.
Titolo	Signal and Noise in Geosciences : MATLAB® Recipes for Data Acquisition in Earth Sciences / / by Martin H. Trauth
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-74913-4
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (349 pages)
Collana	Springer Textbooks in Earth Sciences, Geography and Environment, , 2510-1315
Disciplina	550.2855133
Soggetti	Geology Earth sciences Geographic information systems Earth Sciences Geographical Information System
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Data Acquisition in Earth Sciences -- Introduction to MATLAB -- MATLAB Programming -- Geometric Properties -- Visible Light Images -- Spectral Imaging -- Acquisition of Elastic Signals -- Gravimetric, Magnetic and Weather Data.
Sommario/riassunto	This textbook introduces methods of geoscientific data acquisition using MATLAB in combination with inexpensive data acquisition hardware such as sensors in smartphones, sensors that come with the LEGO MINDSTORMS set, webcams with stereo microphones, and affordable spectral and thermal cameras. The text includes 35 exercises in data acquisition, such as using a smartphone to acquire stereo images of rock specimens from which to calculate point clouds, using visible and near-infrared spectral cameras to classify the minerals in rocks, using thermal cameras to differentiate between different types of surface such as between soil and vegetation, localizing a sound source using travel time differences between pairs of microphones to localize a sound source, quantifying the total harmonic distortion and signal-to-noise ratio of acoustic and elastic signals, acquiring and streaming meteorological data using application

programming interfaces, wireless networks, and internet of things platforms, determining the spatial resolution of ultrasonic and optical sensors, and detecting magnetic anomalies using a smartphone magnetometer mounted on a LEGO MINDSTORMS scanner. The book's electronic supplementary material (available online through Springer Link) contains recipes that include all the MATLAB commands featured in the book, the example data, the LEGO construction plans, photos and videos of the measurement procedures.