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Titolo	Upgrade your teaching : understanding by design meets neuroscience / / Jay McTighe, Judy Willis, M.D
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	How the brain learns best -- An overview of understanding by design -- Goals : the drivers of everything -- Brain-friendly assessment practices -- Teaching toward AMT -- Brain-sensitive teaching using the whereto model -- Creating a brain-friendly classroom climate.
Sommario/riassunto	How can educators leverage neuroscience research about how the human brain learns? How can we use this information to improve curriculum, instruction, and assessment so our students achieve deep learning and understanding in all subject areas? Upgrade Your Teaching: Understanding by Design Meets Neuroscience answers these questions by merging insights from neuroscience with Understanding by Design (UbD), the framework used by thousands of educators to craft units of instruction and authentic assessments that emphasize understanding rather than recall. Readers will learn - How the brain processes incoming information and determines what is (or is not) retained as long-term memory; - How brain science reveals factors that influence student motivation and willingness to put forth effort; - How to fully engage all students through relevance and achievable challenge; - How key components of UbD, including backward design, essential questions, and transfer tasks, are supported by research in

neuroscience; - Why specific kinds of teaching and assessment strategies are effective in helping students gain the knowledge, skills, and deep understanding they need to succeed in school and beyond; and - How to create a brain-friendly classroom climate that supports lasting learning. Authors Jay McTighe and Judy Willis translate research findings into practical information for everyday use in schools, at all grade levels and in all subject areas. With their guidance, educators at all levels can learn how to design and implement units that empower teachers and students alike to capitalize on the brain's tremendous capacity for learning.

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