

THE FUNDAMENTALS OF UNDERSTANDING BY DESIGN

BY JAY McTIGHE

6

KEY TENETS

3

DESIGN STAGES

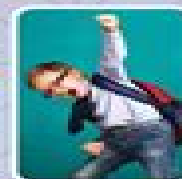
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FAQs

WHAT IS UNDERSTANDING BY DESIGN (UbD)?



Understanding by Design™ is a curriculum-planning framework designed to prepare students to apply their learning to the new opportunities and challenges they will face in a rapidly changing world. Its three-stage design process helps educators focus on the key ideas and processes students should acquire, and then shows them how to work “backward” to figure out the best ways to enable that learning. UbD is not a prescriptive program, nor does it dictate teaching methods; rather, it’s an effective way of thinking about, and planning for, rigorous and meaningful learning. The UbD framework can be used by teachers in all content areas and at all grade levels.



THE BIG IDEAS OF UbD: SIX KEY TENETS

1

The framework helps focus curriculum and teaching on the development and deepening of student understanding and transfer of learning (i.e., the ability to effectively apply their learning).

2

Understanding is revealed when students can make sense of, and transfer, their learning through authentic performance. Six facets of understanding—the capacity to explain, interpret, apply, shift perspective, empathize, and self-assess—can serve as indicators of understanding.

3

Effective curriculum is planned “backward” from long-term outcomes through a three-stage design process. This process helps avoid three common educational problems: (a) treating the textbook as the curriculum rather than as a resource; (b) activity-oriented teaching in which no clear priorities and purposes are apparent; and (c) “test prep” whereby students practice the format of standardized tests (usually selected-response) while concentrating only on tested content.

4

Teachers are coaches of understanding, not mere purveyors of content knowledge, skill, or activity. They focus on ensuring that transfer of learning happens, rather than just assuming that what was taught will be learned.

5

Regular reviews of curriculum against design standards enhance curricular quality, leading to deeper learning. Concomitant reviews of student work in professional learning communities (PLCs) inform needed adjustments to curriculum and instruction so that student learning is maximized.

6

Teachers, schools, and districts can “work smarter” and more effectively by sharing their curriculum and assessment designs with others; for example, through the Eduplane+21 Unit Planner.

Source: McTighe & Wiggins, 2005

THE THREE STAGES OF BACKWARD DESIGN



IDENTIFY DESIRED RESULTS.

On what long-term transfer goals will this unit focus? What should students come to understand by the unit’s end? What essential questions will students explore to drive their search for understanding? What knowledge and skill will students acquire by the end of the unit?



DETERMINE ACCEPTABLE EVIDENCE.

What student performances and products will reveal evidence of understanding and transfer? What additional assessment evidence will be used to assess mastery of other desired learning outcomes?



PLAN LEARNING EXPERIENCES AND INSTRUCTION.

What teaching and learning experiences will help students achieve the desired results and succeed on the assessments? What specific components of the learning will help students acquire new information, make meaning, and transfer what they are learning? How should the unit be sequenced and differentiated to optimize all learners’ achievement?

READY TO GET STARTED?



The three-stage UbD Unit Template provides a practical organizer and has proven especially useful for practitioners new to Understanding by Design. It prompts teachers and curriculum teams to think purposefully about all of the design elements and to ensure that all three stages are properly aligned. The common format of the template enables educators to readily share unit plans with others throughout the world.

Source: Adapted from Wiggins & McTighe, 2005.

Understanding By Design

John L. Brown



Understanding By Design:

The Fundamentals of Understanding by Design (Quick Reference Guide) Jay McTighe, 2020-08-05 Millions of teachers worldwide use the Understanding by Design UbD curriculum planning framework to create units of instruction that develop and deepen student learning This quick reference guide from UbD co creator Jay McTighe covers UbD s key tenets and three stage backward design process and introduces the framework s design templates and quality standards It also explains key vocabulary and explores essential aspects of unit construction including Focusing instruction and assessment on big ideas and essential questions Creating authentic performance tasks that reveal evidence of understanding and Designing meaningful learning events that help students acquire targeted knowledge and skills understand important ideas and be prepared to transfer those understandings to meet new challenges in and beyond the classroom Featuring FAQs indicators of success and links to additional resources The Fundamentals of Understanding by Design is for anyone looking to get started with UbD and for current users seeking a handy resource to keep their design work on track 8 5 x 11 3 panel foldout guide 6 pages laminated for extra durability and 3 hole punched for binder storage Understanding by Design Grant P. Wiggins, Jay McTighe, 2005 What is understanding and how does it differ from knowledge How can we determine the big ideas worth understanding Why is understanding an important teaching goal and how do we know when students have attained it How can we create a rigorous and engaging curriculum that focuses on understanding and leads to improved student performance in today s high stakes standards based environment Authors Grant Wiggins and Jay McTighe answer these and many other questions in this second edition of Understanding by Design Drawing on feedback from thousands of educators around the world who have used the UbD framework since its introduction in 1998 the authors have greatly revised and expanded their original work to guide educators across the K 16 spectrum in the design of curriculum assessment and instruction With an improved UbD Template at its core the book explains the rationale of backward design and explores in greater depth the meaning of such key ideas as essential questions and transfer tasks Readers will learn why the familiar coverage and activity based approaches to curriculum design fall short and how a focus on the six facets of understanding can enrich student learning With an expanded array of practical strategies tools and examples from all subject areas the book demonstrates how the research based principles of Understanding by Design apply to district frameworks as well as to individual units of curriculum Combining provocative ideas thoughtful analysis and tested approaches this new edition of Understanding by Design offers teacher designers a clear path to the creation of curriculum that ensures better learning and a more stimulating experience for students and teachers alike *Making the Most of Understanding by Design* John L. Brown, 2004 Explores how schools and districts can leverage the Understanding by Design model s principles and strategies to improve student achievement staff performance and organizational productivity Integrating Differentiated Instruction & Understanding by Design Carol A. Tomlinson, Jay McTighe, 2006 Discover how the integration of two of

education's most powerful frameworks will help teachers impart essential knowledge and skills to the full spectrum of learners

The Understanding by Design Guide to Advanced Concepts in Creating and Reviewing Units Grant P. Wiggins, Jay McTighe, 2012 This volume features a set of hands-on modules containing worksheets, models, and self-assessments that are essential for building more polished and powerful units

Understanding by Design in Higher Education Jay McTighe, Amy J. Heineke, 2026-09-03 Understanding by Design is a curriculum development framework that higher education faculty can use to effectively and efficiently craft postsecondary courses and programs of study Using a three-stage design process, faculty define goals, craft assessments, and plan instruction that nurtures deeper learning and facilitates transfer to disciplinary and professional contexts

Using Understanding by Design in the Culturally and Linguistically Diverse Classroom Amy J. Heineke, Jay McTighe, 2018-07-11 How can today's teachers, whose classrooms are more culturally and linguistically diverse than ever before, ensure that their students achieve at high levels? How can they design units and lessons that support English learners in language development and content learning simultaneously? Authors Amy Heineke and Jay McTighe provide the answers by adding a lens on language to the widely used Understanding by Design framework. UbD framework for curriculum design which emphasizes teaching for understanding, not rote memorization. Readers will learn the components of the UbD framework, the fundamentals of language and language development, how to use diversity as a valuable resource for instruction by gathering information about students' background knowledge from home, community, and school; how to design units and lessons that integrate language development with content learning in the form of essential knowledge and skills; and how to assess in ways that enable language learners to reveal their academic knowledge. Student profiles, real-life classroom scenarios, and sample units and lessons provide compelling examples of how teachers in all grade levels and content areas use the UbD framework in their culturally and linguistically diverse classrooms. Combining these practical examples with findings from an extensive research base, the authors deliver a useful and authoritative guide for reaching the overarching goal: ensuring that all students have equitable access to high-quality curriculum and instruction

The Fundamentals of Understanding by Design Jay McTighe, 2020

A Sanskrit-English Dictionary Etymologically and Philologically Arranged Sir Monier Monier-Williams, 1872

Kant's Kritik of Judgment, tr. with intr. and notes by J.H. Bernard Immanuel Kant, 1892

Understanding by Design, 2007

Kant's Kritik of Judgment Immanuel Kant, 1892

Integrating Differentiated Instruction & Understanding by Design (Connecting Content and Kids). C.A.; & McTighe Tomlinson (J.), 2006

Kant's Critique of Judgement Immanuel Kant, 1914 There are not wanting indications that public interest in the Critical Philosophy has been quickened of recent days in these countries as well as in America. To lighten the toil of penetrating through the wilderness of Kant's long sentences, the English student has now many aids, which those who began their studies fifteen or twenty years ago did not enjoy. Translations, paraphrases, criticisms have been published in considerable numbers, so that if it is not yet true that he who runs

may read it may at least be said that a patient student of ordinary industry and intelligence has his way made plain before him And yet the very number of aids is dangerous Whatever may be the value of short and easy handbooks in other departments of science it is certain that no man will become a philosopher no man will even acquire a satisfactory knowledge of the history of philosophy without personal and prolonged study of the ipsissima verba of the great masters of human thought

Communication by Design James Pilditch,1970

Luther's Two Catechisms Explained by Himself Martin Luther,1908

Schooling by Design Grant Wiggins,Jay McTighe,2007-07-15 Why despite years of trying have efforts to achieve lasting effective school reform fallen short What curricular and policy elements must be in place to move forward How should the roles of teachers and education leaders be defined to best support the point of school Grant Wiggins and Jay McTighe answer these and other questions in *Schooling by Design* Mission Action and Achievement Building on the premise of Understanding by Design their acclaimed framework for curriculum instruction and assessment the authors present a compelling argument for using the same approach to reach a grand goal the reform of schooling as a whole In their view reform rests on six pillars A relentless focus on the long term mission of school enabling learners to demonstrate understanding and mature habits of mind A curriculum and assessment framework that honors the mission and ensures that content coverage is no longer the accepted approach to instruction A set of principles of learning that support all decisions about pedagogy and planning Structures policies job descriptions practices and use of resources consistent with mission and learning principles An overall strategy that includes ongoing feedback and adjustment and A set of tactics linked to strategy including a planning process that uses backward design to accomplish the key work of reform Practical insightful and provocative *Schooling by Design* elaborates on each of these elements and presents educators with both the rationale and the methodology for closing the gap between what we say we want from school and what school actually delivers for turning vision into reality

The Central ,1922

[Designing and Developing Programs for Gifted Students](#) Joan F. Smutny,2003 This book gives you the nuts and bolts needed to design and implement a gifted program to maximize the benefits to students teachers schools and parents

Industrial Engineering ,1927

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