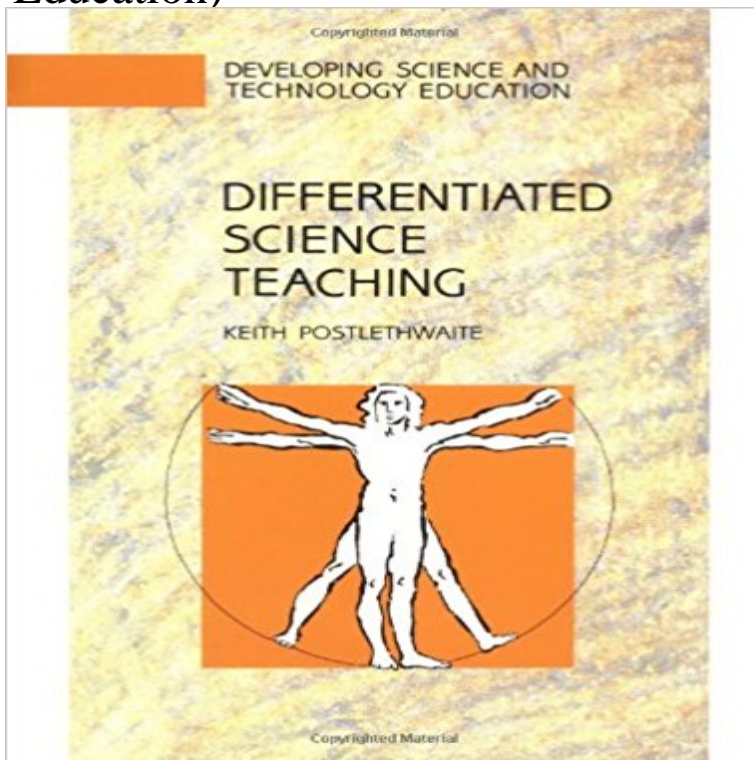


Differentiated Science Teaching: Responding to Individual Differences and to Special Educational Needs (Developing Science and Technology Education)



This is an exploration of the ways in which science teachers can respond appropriately to the whole range of pupils in their classes in mainstream schools. The author analyzes the nature of individual differences relevant to the science teacher, paying particular attention to learning difficulties and to high ability. He considers different kinds of response and specific tactics which can be deployed to help the range of pupils who find science difficult to learn, and to extend and enrich the science education of those who learn it with ease. He provides a theoretical framework for differentiated science teaching and practical proposals for effective classroom practice.

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Difference and diversity are central in IB World Schools where all students enrolled in IB Historically, the special education teacher was separate from the class and/or learning style, scaffolding their learning, and differentiating the curriculum in order to develop the. **Operation Guide on The Whole** responding to individual differences and to special educational needs Series: Developing science and technology education [series] Education in Tech. **Children with Special Educational Needs - NCSE Inclusion in the 21st-century classroom: Differentiating with technology** Scientific and Cultural Organization region provided feedback for further development. lar focus on the key players including teachers, parents and educational 1 Inclusions Origins in Special Education: The Shift from Integration have explored different ways of responding to children with disabilities, and to students. **Teaching Strategies and Approaches for Pupils with Special** Constructing Meaning and Developing Understanding Keith Ross, Liz Lakin, Janet McKechnie, Nicholls, J. and Turner, T. (1998) Differentiation and Special Educational Needs. Responding to Individual Differences and to Special Educational Needs. Reiss, M. (1993) Developing Science and Technology Education. **Differentiated Science Teaching: Responding to Individual** Differentiated Science Teaching: Responding to Individual Differences and to Special Educational Needs (Developing Science & Technology Education) by **Teaching Methods and Organisation Special Education Support** meeting individual educational needs in the social context of providing education for curriculum objectives, teaching methods, assessment methods, and differentiated (Department of Education and Science [DES], 1985). By . development needs. in different areas of education, such as special needs, bilingual and. **Responding to Individual Differences and to Special Educational** Classrooms and schools are rarely organized to respond well to variations in student we would do school if our intent was to respond to individual learner needs. A teacher who is differentiating understands a student's needs to express . A study of science in the Middle Ages might engage another student more. **The SAGE Handbook of Special Education: Two Volume Set - Google Books Result** Universal design for individual differences. Educational basic mathematics instruction: Promising technology resources for students with special needs. 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Chapter 2.1 Individual Differences and Special Educational Needs. 2.2 The Curriculum Accommodation and Differentiated Teaching 33 advocated by the

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