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and Ceramic Uses; OVERVIEW: INTO THE FUTURE; 3 THE BEAUTY OF CERAMICS; EARLY CERAMIC ART; Eastern Mediterranean Ceramics; Greek and Roman Ceramics; Ceramics in the Far East; Ceramics in the Americas; THE MIDDLE AGES; Chinese Ceramics during the Middle Ages; Islamic Ceramics during the Middle Ages
THE RENAISSANCE AND BEYOND Influence from the Moslem World; Influence from the Far East; Pottery and Glass in Colonial North America; The Influence of the Industrial Revolution; A CENTURY OF CERAMIC ART; Classical to Abstract Glass; Expressions in Pottery; Art from Modern Ceramics; OVERVIEW: ENDURING BEAUTY; 4 CERAMICS AND LIGHT; TRANSPARENCY, A RARE AND SPECIAL QUALITY; Refraction-Where's the Fish?; Transparency in Action; Transparency and the Electromagnetic Spectrum; COLOR; Where Does Color Come From?; Color in Ceramics; PHOSPHORESCENCE; Some Ceramics Glow in the Dark
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THE ROLE OF CERAMICS IN IC TECHNOLOGY

Sommario/riassunto

Most people would be surprised at how ceramics are used, from creating cellular phones, radio, television, and lasers to its role in medicine for cancer treatments and restoring hearing. The Magic of Ceramics introduces the nontechnical reader to the many exciting applications of ceramics, describing how ceramic material functions, while teaching key scientific concepts like atomic structure, color, and the electromagnetic spectrum. With many illustrations from corporations on the ways in which ceramics make advanced products possible, the Second Edition also addresses the newest
