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Nota di contenuto	Acknowledgements; Introduction; The purpose of this book ; Background; Structure; 1 The value of using drama to teach science; General introduction to using drama in science teaching; Focusing games ; Tableaux/Freeze frame; Animated diagrams; Role play; General tips; 2 Biology:session plans for 11-14; Adaptation and survival Martin Braund; Microbes - the fight against disease Martin Braund; Human reproduction - fertilization Martin Braund; Muscles and movement - features (adaptations) of animals without backbones Martin Braund; Human digestive system Martin Braund Circulatory and respiratory systems Sandra CampbellInsect pollination Sandra Campbell; 3 Biology: session plans for 14-16; Food chains - energy transfer Martin Braund; Kidney transplants - homeostasis Martin Braund; Evolution Martin Braund; Protein synthesis Sandra Campbell; Germ theory Sandra Campbell; Photosynthesis and the carbon cycle Sandra Campbell; Cells Sandra Campbell; Reed warblers and cuckoos Sandra Campbell; 4 Chemistry: session plans for 11-14; Particle arrangements in solids, liquids and gases - going further Ruth Amos Physical processes - soluble or insoluble/making a solution Ruth Amos Evaporation and condensation Ruth Amos ; Physical and chemical

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Microbes - the fight against disease

Sommario/riassunto

How to increase students' interest and engagement in science is a challenge shared by teachers around the world. Designing effective science lesson plans using drama and role play requires expertise across two very different subject areas and, as a consequence, many science teachers find it difficult to incorporate this technique into their teaching. This book provides busy teachers with ready-made lesson plans for teaching many abstract scientific principles in a fun and novel way that really engages students. Drawing on and combining the knowledge of biology, chemistry and physics educatio
