



SSR

SCHOOL
SCIENCE
REVIEW

December
2006

88(323)

Applied science – a fresh look

The ASE's journal for science education 11–19



the Association
for Science Education

Contents

75 Making an impact with the Big Bang

Brian Fisher

Students studying physics at sixth-form level engaged in a vigorous debate, asking whether the idea of the Big Bang can be consistent with belief in a creator

81 Death Valley or bust

Andrew Carpenter

Using a new personal learning experience to develop classroom practice

91 Fungi 4 Schools – the website

David Moore

Specially produced and ready-to-use lessons and classroom activities, teacher's guides and pupils' class sheets, are among many resources available for free download from a new website

95 Using the learning company approach to allow students to investigate acids and bases

Torsten Witteck and Ingo Eilks

By means of a 'learning company', students encounter new cooperative approaches to a chemistry topic, conduct open experimentation and learn about processes in a company

103 Teachers' strategies for making effective use of datalogging

Rosemary Deane, Sara Hennessy and Kenneth Ruthven

Four case studies from a wider research project illustrate experienced practitioners' strategies for using datalogging technology to support teaching and learning in secondary whole-class settings

113 School science and citizenship: retrospect and prospect

Edgar Jenkins

In the light of the introduction of *Twenty First Century Science*, it is illuminating to review the relationship of school science and citizenship

119 The importance of evaluation during curriculum development: the SNAB experience

Jenny Lewis and Anne Scott

In-depth evaluation of implementation during the pilot of a new and innovative advanced biology course (Salters–Nuffield Advanced Biology) allowed the developers to identify teachers' needs and design suitable support materials

128 Book reviews

138 ICT reviews

142 Science websearch

144 Notes for contributors/Special issues list/Index to advertisers

SCHOOL
SCIENCE
REVIEW

December
2006

88(323)

Cover: Clustered Brittlestem *Psathyrella multipedata*. Photo, David Moore.
See 'Fungi 4 schools – the website' by David Moore, pages 91–94.