



Learning Together With BP



## BP Multimedia Activity Packs for Peer Learning

Raising skills and attainment in science, literacy and numeracy continues to be a major focus area in education and training, not only for schools, colleges and national and local government, but also for industry and commerce.

BP's highly effective **Enjoying Science Together, Read On and Problem Solving** Resource Packs will support your delivery of motivational interactive learning in these three priority areas.

The packs evolved from successful BP-supported pilot projects in schools in Scotland. They are based upon the latest research and teacher feedback on co-operative

learning and peer interaction in school and at home.

**Enjoying Science Together**, the latest resource in the series, is also linked to the major UK-wide Teaching and Learning Research Project, funded by the Economic & Social Research Council and involving the Universities of London, Cambridge, Brighton, Dundee and Strathclyde.

To order **Resource Packs** for your school, please see details on back page

The Enjoying Science Together, Read On and Problem Solving Resource Packs are:

- ❖ aligned with National Priorities in education
- ❖ directly linked to the Scottish 5-14 Curriculum and the National Curriculum
- ❖ easy to build into school development plans
- ❖ structured, organised and manageable within existing resources
- ❖ evaluated to ensure they meet their aims and targets
- ❖ designed to be sustainable, flexible and replicable.



## Enjoying Science Together

Looking for support to create appropriate, interesting, interactive and effective science learning activities for your pupils?

**Enjoying Science Together** will give you the confidence and resources to deliver accurate science learning in a new and engaging way.

Based on the latest research into co-operative learning and peer interaction, this resource provides a range of structured and general

science activities designed to be carried out by pairs or small groups of pupils working together to achieve a common goal.

The activities will also help to develop the pupils' teamwork, organisation, social and communication skills.



*"It boosts the self-confidence of quieter pupils and reduces the fear of failure"*

*"Teachers learn to 'let go' and give children greater responsibility"*

### Resource Pack Contents

- **Introduction**
- **Curriculum Mapping**
- **Introduction to Peer Learning: Peer Tutoring & Co-operative Learning**
- **Structured Science Activities – specific worksheets on science activities of short duration, suitable for peer interaction in pairs, for maximum ease of use**
- **General Science Activities – a wide range of additional science activities, suitable for small group work**
- **Research, Evaluation & Related Resources**
- **DVD with video clips for in-service training**
- **CD with electronic files to print or customise, or use on electronic interactive whiteboards.**

All activities are designed to require a minimum of specialist resources and have been tested for practicality at the University of Dundee and in schools. Health and Safety issues are addressed throughout the pack.

## Read On

The **Read On** Resource Pack builds on the success of the nationally piloted **Read On with BP** project. It is a motivational Paired Reading and Thinking programme which improves the literacy standards of primary school pupils, with the bonus of also enhancing thinking skills.

The pack is designed to help you set up and successfully run a **Read On with BP** Paired Reading and Thinking programme in your school.

As part of the programme, older pupils (Tutors – 10/11 years) are encouraged to read with younger pupils (Tutees – 7/8 years), and parents are encouraged to supplement at home the work done in school. Paired Reading and Thinking in primary schools and at home can help improve:

- Reading achievement of **both older and younger pupils**
- Motivation and enjoyment in reading
- Self-confidence and self-esteem of pupils
- Social competence and co-operation skills
- Parental involvement.

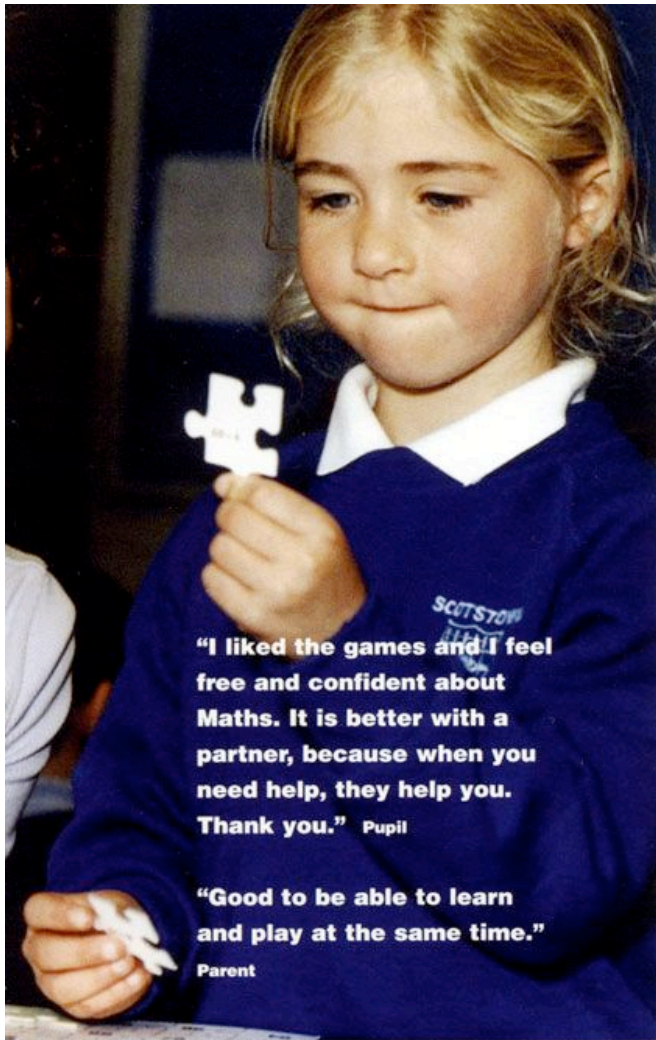
*"I like 'paired reading' because I get to read lots of good books. The questions make me think about my reading."* **Pupil**

*"She has gained confidence to attempt the more difficult words and also in choosing for herself and reading independently."* **Parent**

### Resource Pack Contents

- **Co-ordinator's Handbook: Overview and Introduction**  
**The Paired Reading Methodology**  
**The Paired Reading and Thinking Methodology**  
**Next Steps**  
**References and Further Reading**
- **Video**
- **Photocopiable Material.**





**"I liked the games and I feel free and confident about Maths. It is better with a partner, because when you need help, they help you. Thank you." Pupil**

**"Good to be able to learn and play at the same time." Parent**



## Problem Solving

The **Problem Solving** Resource Pack builds on the success of the nationally piloted **Problem Solving with BP** project – a flexible and innovative programme aimed at raising primary school attainment in mathematical problem solving.

The programme focuses on discussion, language and hands-on activity. It involves your chosen combination of mathematical games, a generic method for maths tutoring, peer tutoring (Tutors–10/11 years; Tutees – 7/8 years), and parental involvement.

The Resource Pack is designed to help you set up and successfully run a **Problem Solving with BP** programme in your school.

According to teacher feedback, **Problem Solving with BP** in schools and at home has the following benefits for younger and older pupils:

- Develops problem solving skills
- Improves problem solving strategies
- Deepens mathematical understanding
- Promotes active and co-operative learning
- Develops social and communication skills
- Raises mathematical confidence and self-esteem
- Develops motivation and enjoyment and more positive attitudes to maths
- Encourages productive parental involvement.

### Resource Pack Contents

- Teacher's Manual:
  - Introduction to the Programme
  - Rationale and Background
  - Mathematical Games
  - Duolog Maths
  - Organising for Peer Tutoring and Parental Involvement

Evaluation of the National Project  
How to Evaluate Your Project  
What Next?

References, Bibliography and  
Sources of Games and Problems

- Video
- Photocopiable Material
- Other Supplementary Material.

# BP Multimedia Activity Packs for Peer Learning

The **Enjoying Science Together**, **Read On** and **Problem Solving** Resource Packs have been developed by BP Education Services in partnership with the Scottish Executive, HM Inspectorate, the University of Dundee, Local Education Authorities and a great many pilot schools.

To order your packs (price £28 each), please contact:

Data Control Centre,  
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Facsimile: +44 (0) 1224 643325

email: [info@odl.co.uk](mailto:info@odl.co.uk)

**Payment by cheque or credit card  
is required with the order.**

## Further information:

The development and research underpinning the packs was carried out by Professor Keith Topping of the Faculty of Education, University of Dundee, and colleagues. The university hosts a number of websites which give further information:

[www.dundee.ac.uk/fedsoc/staff/kjtopping/](http://www.dundee.ac.uk/fedsoc/staff/kjtopping/)

[www.dundee.ac.uk/fedsoc/research/projects/trw/](http://www.dundee.ac.uk/fedsoc/research/projects/trw/)

[www.dundee.ac.uk/fedsoc/research/projects/readon/](http://www.dundee.ac.uk/fedsoc/research/projects/readon/)

[www.dundee.ac.uk/fedsoc/research/projects/problem-solving/](http://www.dundee.ac.uk/fedsoc/research/projects/problem-solving/)

[www.groupworkscotland.org](http://www.groupworkscotland.org)

[www.dundee.ac.uk/fedsoc/research/projects/parentsineducation/](http://www.dundee.ac.uk/fedsoc/research/projects/parentsineducation/)

## Contacts:

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