

## Links to educational initiatives and strategies

DfES publications have outlined how these skills and capabilities enhance learning by creating more co-operative, creative and inclusive environments. *Every Child Matters* (2003) set out the need to help every child achieve his/her potential. By 'Enjoying and Achieving' such strategies help children get the most out of life and develop the skills for adulthood. The Personal Capabilities are the skills that all children need to do well in learning and in life.

This resource enables schools, through the context of science, to address key aims of *Every Child Matters*.

By 'Enjoying and Achieving' children will:

- achieve stretching national educational standards at primary school
- achieve personal and social development.

By 'Making a Positive Contribution' children will:

- engage in positive behaviour, in and out of school
- develop positive relationships
- develop self confidence and successfully deal with significant life changes and challenges
- develop enterprising behaviour.

Significant links can be made between the Personal Capabilities and other English educational initiatives, e.g. Social, Emotional Aspects of Learning; Speaking and Listening; PSHE Science Enquiry Skills. Further links can be drawn with The Revised Curriculum for Northern Ireland which targets the development of Thinking Skills and Personal Capabilities; and the common requirements of the National Curriculum in Wales which includes Thinking Skills, PSE and Communication Skills.

*Smart Science* brings together these many initiatives in an easy to use, coherent and motivating way.

| Personal Capabilities | Social, Emotional Aspects of Learning            | Speaking and Listening                 | Personal Social Health Education and Citizenship | Science Enquiry        | The Revised Northern Ireland Curriculum       | Wales   |
|-----------------------|--|--|--|------------------------|---|---|
| Positive Self Image   | Managing feelings, self awareness                | Group work                             | 1b, 5c, 5e                                       |                        | Self management                               | Determining self knowledge, skills and understanding                  |
| Teamwork              | Social skills                                    | Group work                             | 2b, 5c, 5f                                       | 2m                     | Working with others                           | Personal and social education   |
| Self Management       | Evaluation, managing feelings                    | Group work                             | 1b, 4a, 5a                                       | 1g                     | Self management                               | Determining success criteria, monitoring progress, evaluating success |
| Self Motivation       | Motivation                                       |  | 1b, 4a, 5a                                       |                        | Self management                               | Personal and social education   |
| Critical Thinking     | Enquiry, reasoning, information processing       | Speaking                               | 1c, 2c, 5c, 5d                                   | 1b, 1i                 | Thinking, Problem Solving and Decision Making | Thinking logically and seeking patterns                               |
| Creativity            | Creative thinking                                |  |  | 1a, 2a, 2h             | Being creative                                | Creative skills, taking risks   |
| Tenacity              | Motivation                                       |  | 1c, 3f   | 2g                     | Self management                               | Valuing errors and unexpected outcomes                                |
| Communication         | Communication                                    | Speaking, listening, group work, drama | 1a, 2a, 2f, 5c, 5e                               | 2h                     | Speaking and Listening                        | Communication skills  |
| Problem Solving       | Problem solving, enquiry, information processing | Speaking, Group work                   | 5c, 5d   | 1a, 2a, 2c, 2j, 2k, 2l | Thinking, Problem Solving and Decision Making | Problem solving skills, determining the approach or method            |
| Social Intelligence   | Social skills, empathy                           | Group work                             | 2c, 4a, 4c, 5f                                   | 2m                     | Working with others                           | Personal and social education   |