

An Organisational Framework for Preparing and Maintaining Systematic Reviews in Education

(Adapted from Lipsey and Wilson, 1993)

| | Pre-School (Kindergarten) | Primary (Elementary) | Secondary (High School) | Further | Higher | Continuing & Adult | Post Grad | CPD |
|---|--|--|--|-------------------------------------|-------------------------------------|-------------------------------------|-----------|-----|
| A. EDUCATIONAL INTERVENTIONS | | | | | | | | |
| 1. METHODS OF TEACHING & LEARNING | | | | | | | | |
| Computer & Technology | | | | | | | | |
| Assisted Education | McDermid, 1990 | Gillingham & Guthrie 1987 | Kulik, Bangert & Williams 1983 | | Kulik, Kulik & Cohen, 1980 | | | |
| | Liao & Bright, 1991 | Kulik & Kulik 1987 | Bangert-Drowns, Kulik & Niemic 1985 | | | | | |
| | | Niemic, Samson, Weinberg & Walberg, 1987 | Burns 1982 | | | | | |
| | | Ryan 1991 | McDermid, 1990 | | | | | |
| | | Kulik, Kulik & Bangert-Drowns, 1984 | Shwalb, 1987 | | | | | |
| | | Burns 1982 | Williams, 1990 | | | | | |
| | | McDermid, 1990 | Szczurek, 1982 | | | | | |
| | | Shwalb, 1987 | Liao & Bright, 1991 | | | | | |
| | | Williams, 1990 | | | | | | |
| | | Szczurek, 1982 | | | | | | |
| | | Liao & Bright, 1991 | | | | | | |
| Individualised Instruction | | | | | | | | |
| | | Hood, 1991 | Hood, 1991 | Kulik, Kulik & Cohen, 1979 | Kulik, Cohen & Ebeling, 1980 | Kulik, Kulik & Cohen, 1979 | | |
| | | Bangert, Kulik & Kulik, 1983 | Aillo & Wolfe, 1980 | Kulik, Kulik & Bangert-Drowns, 1990 | Kulik, Kulik & Cohen, 1979 | Kulik, Kulik & Bangert-Drowns, 1990 | | |
| | | Hartley, 1977 | Aillio, 1981 | | Kulik, Kulik & Bangert-Drowns, 1990 | Schimmel, 1983 | | |
| | | Horak, 1981 | Hartley, 1977 | | | | | |
| | | | Horak, 1981 | | | | | |
| | | | Kulik, Schwalb & Kulik, 1982 | | | | | |
| Lecturing & Direct Instruction/Didactic Learning | | | | | | | | |
| Problem Based Learning | | | | | | | | |
| | Curbelo, 1985 | Curbelo, 1985 | Curbelo, 1985 | Curbelo, 1985 | | | | |
| Self-Directed vs Teacher Directed Learning | | | | | | | | |
| Seminar Discussions/Independent Learning | | | | | | | | |
| Audio & Video Based Instruction | | | | | | | | |
| | McNeil & Nelson, 1990 | McNeil & Nelson, 1990 | McNeil & Nelson, 1990 | Cohen, Ebeling & Kulik, 1981 | Cohen, Ebeling & Kulik, 1981 | Cohen, Ebeling & Kulik, 1981 | | |
| | | | | Kulik, Kulik & Cohen, 1979 | Kulik, Kulik & Cohen, 1979 | Kulik, Kulik & Cohen, 1979 | | |
| | | | | | Fletcher, 1990 | Fletcher, 1990 | | |
| | | | | | Schermer, 1984 | | | |
| Cooperative Task Structures/Cooperative Learning | | | | | | | | |
| | Hall, 1989 | Hall, 1989 | McNeil & Nelson, 1990 | | | Johnson & Johnson, 1987 | | |
| | Carlson, 1987 | Carlson, 1987 | Carlson, 1987 | | | | | |
| | Stevens & Slavin, 1991 | Stevens & Slavin, 1991 | Stevens & Slavin, 1991 | | | | | |
| | Johnson, Johnson & Maruyama, 1983 | Johnson, Johnson & Maruyama, 1983 | Johnson, Johnson & Maruyama, 1983 | | | | | |
| | Maruyama, Johnson, Nelson & Skon, 1981 | Maruyama, Johnson, Nelson & Skon, 1981 | Maruyama, Johnson, Nelson & Skon, 1981 | | | | | |
| Teacher Tutoring | | | | | | | | |
| Para-professional/Volunteer Tutoring | | | | | | | | |
| Student/Peer Tutoring | | | | | | | | |
| | | Cohen, Kulik & Kulik, 1982 | Cohen, Kulik & Kulik, 1982 | | | | | |
| | | Cohen, Kulik & Kulik, 1982 | Cohen, Kulik & Kulik, 1982 | | | | | |

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| Behavioural Reinforcements/Feedback/Cues | | Ascenio, 1984 | Ascenio, 1984 | Ascenio, 1984 | Ascenio, 1984 | Ascenio, 1984 | | |
| Homework Instruction/Support | | Grane, Weinstein & Walberg, 1983 Paschal, Weinstein & Walberg, 1984 | Paschal, Weinstein & Walberg, 1984 | | | | | |
| Creative Thinking/Training | | C.M.G Cohn, 1985 Rose & Lin, 1984 | C.M.G Cohn, 1985 Rose & Lin, 1984 | | | | | |
| Feedback to Teachers | Fuchs & Fuchs, 1986 | Fuchs & Fuchs, 1986 | Fuchs & Fuchs, 1986 | Fuchs & Fuchs, 1986 | Cohen, 1980 | | | |
| | | Batts, 1988 | Batts, 1988 | Cohen, 1980 | L'Hommedieu, Menges, & Brinko, 1990 | | | |
| | | Bennett, 1988 | Bennett, 1988 | L'Hommedieu, Menges, & Brinko, 1990 | | | | |
| Test Taking/Test Preparation/Coaching | | Bangert-Drowns, Kulik & Kulik, 1983 | Bangert-Drowns, Kulik & Kulik, 1983 | Bangert-Drowns, Kulik & Kulik, 1983 | Bangert-Drowns, Kulik & Kulik, 1983 | Bangert-Drowns, Kulik & Kulik, 1983 | | |
| | | Kulik, Bangert-Drowns & Kulik, 1984 | Kulik, Bangert-Drowns & Kulik, 1984 | DerSimonian & Laird, 1983 | DerSimonian & Laird, 1983 | DerSimonian & Laird, 1983 | | |
| | | Samson, 1985 | Samson, 1985 | Kulik, Bangert-Drowns & Kulik, 1984 | Kulik, Bangert-Drowns & Kulik, 1984 | Kulik, Bangert-Drowns & Kulik, 1984 | | |
| | | Scruggs, Bennion & White, 1984 | Kulik, Kulik & Bangert, 1984 | Kulik, Kulik & Bangert, 1984 | Kulik, Kulik & Bangert, 1984 | Kulik, Kulik & Bangert, 1984 | | |
| | | Kulik, Kulik & Bangert, 1984 | Messick & Jungeblut, 1981 | | | | | |
| | | Messick & Jungeblut, 1981 | Becker, 1990 | | | | | |
| | | Becker, 1990 | | | | | | |
| Perceptual-Motor Training & Sensory Development | | | | | | | | |
| | Ottenbacher & Petersen, 1984 | Denham & Almeida, 1987 | Nearpass, 1990 | | | | | |
| | Ottenbacher et al, 1987 | Kavale & Mattson, 1983 | Baker & Popowicz, 1983 | | | | | |
| | Ottenbacher & Petersen, 1985 | Ottenbacher & Petersen, 1984 | Almeida & Denham, 1984 | | | | | |
| | | Ottenbacher et al, 1987 | Denham & Almeida, 1987 | | | | | |
| | | Ottenbacher & Petersen, 1985 | Kavale & Mattson, 1983 | | | | | |
| 2. SCHOOL & CLASSROOM ORGANISATION | | | | | | | | |
| Open Classroom & Activity Based Learning | | | | | | | | |
| | Giacomia & Hedges, 1982 | Giacomia & Hedges, 1982 | Giacomia & Hedges, 1982 | | | | | |
| | Hetzel, Rasher, Butcher & Walberg, 1980 | Hetzel, Rasher, Butcher & Walberg, 1980 | Hetzel, Rasher, Butcher & Walberg, 1980 | | | | | |
| | Madamba, 1981 | Madamba, 1981 | Madamba, 1981 | | | | | |
| Class Size | | | | | | | | |
| | Hedges & Stock, 1983 | Hedges & Stock, 1983 | Hedges & Stock, 1983 | | | | | |
| | Glass & Smith, 1979 | Glass & Smith, 1979 | Glass & Smith, 1979 | | | | | |
| | Smith & Glass, 1980 | Smith & Glass, 1980 | Smith & Glass, 1980 | | | | | |
| Ability Groupings/Tracking/Streaming (Between) | | | | | | | | |
| | Noland, 1985 | Slavin, 1987a | C.C. Kulik & Kulik, 1982a | | | | | |
| | | C.C. Kulik & Kulik, 1984 | Slavin, 1990 | | | | | |
| | | Noland, 1985 | Noland, 1985 | | | | | |
| | | Goldring, 1990 | Goldring, 1990 | | | | | |
| Ability Groupings/Tracking/Streaming (Within) | | | | | | | | |
| | | Slavin, 1987a | C.C. Kulik & Kulik, 1982a | | | | | |
| | | | Slavin, 1990 | | | | | |

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| Accelerated Learning & Teaching/Gifted Students | | | | | | | | |
| | Wallace, 1990 | Kulik & Kulik, 1984 | Kulik & Kulik, 1984 | | | | | |
| | Vaughn, Feldhusen & Asher, 1991 | Wallace, 1990 Goldring, 1990 | Wallace, 1990 Goldring, 1990 | | | | | |
| | | Vaughn, Feldhusen & Asher, 1991 | Vaughn, Feldhusen & Asher, 1991 | | | | | |
| Test Anxiety (Therapy) | | | | | | | | |
| | | O'Bryan, 1985 | O'Bryan, 1985 | Dole, Rockey & DiTomasso, 1983 | Dole, Rockey & DiTomasso, 1983 | | | |
| | | Hembree, 1988 | Hembree, 1988 | M.M. Harris, 1988 | M.M. Harris, 1988 | | | |
| | | | | O'Bryan, 1985 | O'Bryan, 1985 | | | |
| | | | | Hembree, 1988 | Hembree, 1988 | | | |
| Guidance & Counselling | | | | | | | | |
| | | Baker & Popowicz, 1983 | Sprinthall, 1981 | | | | | |
| | | Almeida & Denham, 1984 | Oliver & Spokane, 1988 | | | | | |
| | | | Sprinthall, 1981 | | | | | |
| | | | Oliver & Spokane, 1988 | | | | | |
| | | | Nearpass, 1990 | | | | | |
| Out of School Learning | | | | | | | | |
| 3. SUBJECT AREA TEACHING & LEARNING | | | | | | | | |
| Maths & Computing | | | | | | | | |
| | | Burns, 1982 | Burns, 1982 | | | | | |
| | | Lee, 1990 | Lee, 1990 | | | | | |
| | | Hartley, 1977 | Hartley, 1977 | | | | | |
| | | Horak, 1981 | Horak, 1981 | | | | | |
| | | Hembree, 1990 | Marucci, 1980 | | | | | |
| | | Williams, 1990 | Williams, 1990 | | | | | |
| | | Athappilly, Smidchens & Kofel, 1983 | Athappilly, Smidchens & Kofel, 1983 | | | | | |
| | | Kofel, 1983 | Hembree, 1990 | | | | | |
| Sciences | | | | | | | | |
| | Willet, Yamashita & Anderson, 1983 | Kyle, 1982 | Kyle, 1982 | Ross 1988 | Ross 1988 | | | |
| | Bradford, 1991 | Shymansky, 1984 | Shymansky, 1984 | El-Nemr, 1980 | El-Nemr, 1980 | | | |
| | | Shymansky, Kyle & Alport, | Shymansky, Kyle & Alport, | Wise & Okey, 1983 | | | | |
| | | Willet, Yamashita & Anderson, 1983 | Willet, Yamashita & Anderson, 1983 | | | | | |
| | | Bradford, 1991 | Ross 1988 | | | | | |
| | | Burns, 1982 | El-Nemr, 1980 | | | | | |
| | | Lee, 1990 | Burns, 1982 | | | | | |
| | | Hartley, 1977 | Lee, 1990 | | | | | |
| | | Horack, 1981 | Aiello, 1981 | | | | | |
| | | Lott, 1983 | Aiello & Wolfe, 1980 | | | | | |
| | | Bredderman, 1983 | Hartley, 1977 | | | | | |
| | | | Horack, 1981 | | | | | |
| | | | Weinstein, Boulanger & Walberg, 1982 | | | | | |
| | | | Boulanger, 1981 | | | | | |
| | | | Lott, 1983 | | | | | |
| | | | Wise & Okey, 1983 | | | | | |
| | | | Yeany & Miller, 1983 | | | | | |
| Social Science & History | | | | | | | | |
| | | | | C. L. Cohn, 1985 | C. L. Cohn, 1985 | | | |

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| 4. FINANCE & MANAGEMENT OF EDUCATION | | | | | | | | |
| Voucher Payment | | | | | | | | |
| 'Opting Out' (UK) | | | | | | | | |
| Local Management of Schools (UK) | | | | | | | | |
| Independent/Private Schools | | | | | | | | |
| 5. TEACHER TRAINING & TEACHER EDUCATION | | | | | | | | |
| Inservice Training | | Wade, 1984, 1985 Joslin, 1981 Harrison, 1981 | Wade, 1984, 1985 Joslin, 1981 Enz, Horak & Blecha, 1982 Sweitzer & Anderson, 1983 Yeany & Porter, 1982 Harrison, 1981 | Malone, 1984 | Malone, 1984 | Malone, 1984 | | |
| Human Relations Training | | | | | A.W. Robinson & Hyman, 1984 Colosimo, 1982, 1984 Samson, Borger, Weinstein & Walberg, 1984 | | A.W. Robinson & Hyman, 1984 Colosimo, 1982, 1984 Samson, Borger, Weinstein & Walberg, 1984 | A.W. Robinson & Hyman, 1984 Colosimo, 1982, 1984 Samson, Borger, Weinstein & Walberg, 1984 |
| Practice Teaching | | | | | | | | |
| Classroom Management | | | | | A.W. Robinson, 1989 | | A.W. Robinson, 1989 | A.W. Robinson, 1989 |
| B. TARGET GROUPS | | | | | | | | |
| 1. STUDENTS & LEARNERS | | | | | | | | |
| Gender | | Kulik & Kulik, 1984 | Kulik & Kulik, 1984 | | | | | |
| Ethnicity | Johnson, Johnson & Maruyama, 1983 | Johnson, Johnson & Maruyama, 1983 | Johnson, Johnson & Maruyama, 1983 | | | | | |
| Religion | | | | | | | | |
| Disabilities | Ottenbacher & Petersen, 1984 Ottenbacher & Petersen, 1985 | Kavale & Mattson, 1983 Kavale, 1984 Ottenbacher, 1982 Ottenbacher & Petersen, 1984 Ottenbacher & Petersen, 1985 Mattson, 1985 | Kavale & Mattson, 1983 Kavale, 1984 Ottenbacher, 1982 Shaver, Curtis, Jesunathadas & Strong, 1989 Mattson, 1985 | Shaver, Curtis, Jesunathadas & Strong, 1989 | Shaver, Curtis, Jesunathadas & Strong, 1989 | | | |
| 2. SPECIAL EDUCATION/SPECIAL NEEDS | | | | | | | | |
| Socially/Culturally Disadvantaged | | | | | | | | |
| | Collins, 1984 Casto & White, 1984 US UECC, 1983 | Collins, 1984 Goldring & Presbrey, 1986 Casto & White, 1984 | Goldring & Presbrey, 1986 | | | | | |

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|---|----------------------------------|---|---|----------------------------------|----------------------------------|-------------------------------|------------------|------------|
| | Casto & Mastropieni, 1986 | US UECC, 1983 | | | | | | |
| | Lewis & Vosburgh, 1988 | | | | | | | |
| Emotional Problems | | | | | | | | |
| | | Rosenbuam, 1983 | Rosenbuam, 1983 | | | | | |
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| Behavioural Problems | | | | | | | | |
| | | Skiba & Casey, 1985 | Skiba & Casey, 1985 | | | | | |
| Cognitive/Learning Problems | | | | | | | | |
| | Carlberg & Kavale, 1980 | Carlberg & Kavale, 1980 | Carlberg & Kavale, 1980 | C.C. Kulik, Kulik & Shwalb, 1983 | C.C. Kulik, Kulik & Shwalb, 1983 | | | |
| | Snyder & Sheehan, 1983 | Snyder & Sheehan, 1983 | White, 1987 | | | | | |
| | Wang & Baker, 1986 | Wang & Baker, 1986 | Slavin & Madden, 1989 | | | | | |
| | White, 1987 | White, 1987 | Schmidt et al, 1986 | | | | | |
| | Slavin & Madden, 1989 | Slavin & Madden, 1989 | McDermid, 1990 | | | | | |
| | Schmidt et al, 1986 | Schmidt et al, 1986 | Stevens & Slavin, 1991 | | | | | |
| | McDermid, 1990 | McDermid, 1990 | Carlson, 1987 | | | | | |
| | Carlson, 1987 | Stevens & Slavin, 1991 | Johnson, Johnson & Maruyama, 1983 | | | | | |
| | Ottenbacher & Petersen, 1984 | Carlson, 1987 | Kavale & Mattson, 1983 | | | | | |
| | Ottenbacher & Petersen, 1985 | Johnson, Johnson & Maruyama, 1983 | Kavale, 1984 | | | | | |
| | Ottenbacher et al, 1987 | Maruyama, 1983 | Ottenbacher, 1982 | | | | | |
| | Kavale, 1980, 1981, 1982 | Kavale & Mattson, 1983 | Kavale, 1980, 1981, 1982 | | | | | |
| | Willig, 1985 | Kavale, 1984 | Willig, 1985 | | | | | |
| | Nye, Foster & Seaman, 1987 | Ottenbacher, 1982 | Mattson, 1985 | | | | | |
| | Priorier, 1990 | Ottenbacher & Petersen, 1984 | Cook, Scruggs. Mastropieri & Castro, 1986 | | | | | |
| | Liao & Bright, 1991 | Ottenbacher & Petersen, 1985 | Castro, 1986 | | | | | |
| | | Ottenbacher et al, 1987 | Almeida & Denham, 1984 | | | | | |
| | | Kavale, 1980, 1981, 1982 | Denham & Almeida, 1987 | | | | | |
| | | Willig, 1985 | Liao & Bright, 1991 | | | | | |
| | | Nye, Foster & Seaman, 1987 | | | | | | |
| | | Mattson, 1985 | | | | | | |
| | | Cook, Scruggs. Mastropieri & Castro, 1986 | | | | | | |
| | | B. Cook et al, 1986 | | | | | | |
| | | Almeida & Denham, 1984 | | | | | | |
| | | Denham & Almeida, 1987 | | | | | | |
| | | Liao & Bright, 1991 | | | | | | |
| Language Problems/Language Proficiency | | | | | | | | |
| Physical Needs & Problems | | | | | | | | |
| C. EDUCATIONAL OUTCOMES | | | | | | | | |
| 1. Test & Examination Scores/ | | | | | | | | |
| | Stahl & Miller, 1989 | Gillingham & Guthrie, 1987 | McDermid, 1990 | Wise & Okey, 1983 | Kulik, Kulik & Cohen, 1980 | Ascenio, 1984 | | |
| | Carberg & Kavale, 1980 | Kulik & Kulik, 1987 | Kulik, Bangert & Williams, 1983 | Yearny & Miller, 1983 | Kulik, Cohen & Ebeling, 1980 | | | |
| | White, 1987 | McDermid, 1990 | Bangert-Drowns, Kulik & Ryan, 1991 | Ascenio, 1984 | Kulik, Cohen & Ebeling, 1980 | | | |
| | Slavin & Madden, 1989 | Ryan, 1991 | Kulik, 1985 | C.C. Kulik, Kulik & Shwalb, 1983 | Ascenio, 1984 | | | |
| | McDermid, 1990 | Kulik, Kulik & Bangert-Drowns, 1984 | Schmidt, Weinstein, Niemiec & Walberg, 1986 | | C.C. Kulik, Kulik & Shwalb, 1983 | | | |
| | Stevens & Slavin, 1991 | Lott, 1983 | Burns 1982 | | | | | |
| | A.W. Robinson, 1989 | Stahl & Miller, 1989 | Lee 1990 | | | | | |
| | Hedges & Stock, 1983 | Kulik & Kulik, 1984 | Lott, 1983 | | | | | |
| | Glass & Smith, 1979 | Carberg & Kavale, 1980 | White & Okey, 1983 | | | | | |
| | Fuchs & Fuchs, 1986 | White, 1987 | Yearny & Miller, 1983 | | | | | |
| | Noland, 1985 | Slavin & Madden, 1989 | Kulik & Kulik, 1984 | | | | | |
| | Vaughn, Feldhusen & Asher, 1991 | McDermid, 1990 | Carberg & Kavale, 1980 | | | | | |
| | Karweit, 1987 | Stevens & Slavin, 1991 | White, 1987 | | | | | |
| | Maruyama, Johnson, Nelson & | A.W. Robinson, 1989 | Rosenbuam, 1983 | | | | | |
| | | Noland, 1985 | | | | | | |

