CONCLUSION



CONCLUSION

In this chapter we shall briefly discuss some of the problems that Prashika faced in its project and provide a bird's-eye view of its achievements and failures. We shall also discuss some of the issues that have remained unresolved in Prashika. The group has returned to these debates again and again, every debate adding to its information base and conceptual clarity.

PROBLEMS

Any innovation in education faces a variety of problems involving children, teachers, parents, administrators and politicians, as well as a variety of intragroup conflicts. Prashika has been no exception. Parents have not always viewed the programme kindly because they feel that Prashika children do not learn as much as other children do. Attempts to involve

A PRASHIKA TEACHER REMARKS . . .

We get very little money to attend these training camps. Often we spend our own money. Eklavya members also contribute. How can you live in Rs 16/- per day?

PRASHIKA

teachers raise a variety of problems. It is not always easy to have them released from their routine duties in school, particularly when they are expected to play a variety of roles other than that of a teacher. They never get enough money to participate in the teachertraining camps.

Prashika did manage to involve teachers to a considerable extent in the early stages of its develop-

A PRASHIKA TEACHER SAYS ...

In the beginning, we were consulted a lot. But when the materials for Classes III-V were produced, our participation was minimal.

ment. In the later stages, time became a very strong constraint. There was a pressure to keep up with the school calendar. Teachers also felt the pressure as the

A PRASHIKA MEMBER SAID . . .

We had more or less given up after Class II. But then a group of teachers said: We cannot teach the old books in Class III. You must continue. In fact, a teacher from Shahpur threatened to go on a hunger-strike if we discontinued our programme. We were emotionally blackmailed into Class III. Prashika programme made increasing demands on them.

And yet enthusiasm and involvement of teachers is unquestionably one of the most important factors that sustains Prashika.

As has already been indicated in the preceding chapters, intra-group dynamics is at once Prashika's strength and weakness. The fact that a small group of people saw such a major innovative programme through producing materials and teacher training

A PRASHIKA MEMBER SAYS . . .

One of the major problems facing Prashika has been its limited manpower. The question is not just that people were not available. Every group acquires its own dynamics over a period of time and it is not always easy to allow a newcomer space that is due to him or her.

packages for a complete primary school curriculum indeed speaks of the enormous strength of the group. The fact that the group could not enlarge itself and that there is not always a clear consensus on some of the basic issues is perhaps suggestive of intra-group conflicts.

DEBATES

Though Prashika has been involved in primary education for over nine years and has produced curriculum, teaching materials and models for classroom teaching and teacher-training camps, certain issues have remained unresolved for the group. In most of these cases Prashika opted for eclectic, pragmatic and workable solutions. The debates, however, are still very much alive.

EDUCATION AND ENVIRONMENT

It has not always been possible to define what constitutes a child's environment: her/his family, peer group, village, state, nation or the whole universe. What do we really mean when we say education should be environment based? The implicit understanding in Prashika appears to be that education of primary schoolchildren should as far as possible be related to their immediate environment. In a sense the child is motivated to go beyond her/his environment through its careful observation and analysis.

Where relating the teaching of different subjects such as language, maths and social sciences to the child's environment is concerned, Prashika has achieved limited success. On the other hand, if enviA PRASHIKA MEMBER SAYS . . . The school is not a ground for revolution . . . overtly doctrinaire things are out . . . we do not want to create uncomfortable situations in the classroom. Regarding patriotism etc. we want to stay away from 'the child should be educated for the nation' philosophy. Education is for the child, period.

ronment rootedness is to be interpreted in terms of interaction with the children and teachers, and building a curriculum in terms of field trialling, Prashika may be said to have achieved a substantial success.

It is in the area of 'education leading to social change' that Prashika has been engaged in a series of inconclusive debates. Though most members of Prashika believe that the kind of education they are trying to provide might eventually contribute towards social change, they in general don't believe in active political intervention.

INFORMATION, ROTE LEARNING AND CLARITY

There is no doubt that Prashika wants to alter the existing curriculum which is biased in favour of information and rote learning. It does not deny the

PRASHIKA

important role information bases and rote learning might play in education but it feels it should take a very strong stand against these in order to counter the overwhelming importance the traditional curriculum and methodologies attach to them. Yet it is not very clear what amount of information base must precede conceptual clarity. Is it worthwhile practising algorithms without understanding them? Is it useful to memorize alphabets and tables? Some Prashika numbers and associates believe that conceptual clarity can wait while algorithms are mastered.

Another issue that Prashika has constantly been concerned with is the pressure of social and academic expectations on the children. Very often parents complain that early education in Prashika simply means fun and frolic and children do not learn anything. For example, it is complained that even after Class II they cannot count upto 100 or recite tables.

LANGUAGE AND MATHEMATICS

There has been considerable debate within Prashika whether common strategies underlie the learning of mathematics and language. Are there shared cognitive structures that are involved in their learning? Is it possible to use the same materials for teaching mathematics and language? If one were to go by the

144

Prashika materials, it would appear that in Classes I and II mathematics and language are often taught through the same materials. In subsequent classes one witnesses an increasing separation between the two disciplines.

ACHIEVEMENTS AND FAILURES

The best way to give a picture of the achievements and failures of Prashika is to let the Prashika members speak themselves.

A PRASHIKA MEMBER SAYS . . .

As I look back, I think of our successes and failures. I think we succeeded in bringing about an attitudinal change among some teachers and making the act of learning a matter of joy for children. But I think we also failed on several counts: we never had a clear policy; books were often delayed and teacher training became increasingly mechanical. Manpower was always a problem. In the beginning, we had too many resource people and very few teachers. Vice versa in the later stages. We were really weak in implementing the programme. The complete Prashika philosophy, materials and methods were fully implemented only in a handful of schools. Elsewhere it was half-hearted. A PRASHIKA MEMBER SAYS . . .

If you ask me about our successes, I would mention at least three. Some teachers, say, about ten out of sixty, have acquired the Prashika spirit and have converted their classes into a joyful experience. Second, about fifty per cent children have been liberated, that is, in the twenty-five schools Prashika adopted over fifty per cent children really want to come to school. Third, Prashika has succeeded in generating a debate about change in education.

If you ask me about the failures of Prashika, I would say that Prashika has failed to fully involve the teachers in the process of curriculum making. I'm sure a curriculum made by the teachers will be entirely different from the one made by Prashika. We should have accepted more inputs from the teachers. We often felt that nobody else was more aware of the limitations of the Prashika programme than the Prashika members themselves.

APPENDIX The Prashika Family

As must be clear from the preceding chapters, a large number of people from different domains of activity contributed to the growth of Prashika. These include, among others, children, teachers, resource group persons, teacher-trainers, trainees, university and college teachers, academics, state and central government officials and a variety of institutions. It is difficult to list exactly what each component contributed except saying that the programme is the result of a symbiotic interaction between all the components. Though we run the risk of unintentionally leaving out some names, we feel the task of documentation will remain incomplete without listing the people who made it possible.

A. TRAINED RESOURCE GROUP TEACHERS

- 1. Ganga Gupta, Primary School, Pathai, Shahpur, Betul.
- 2. Laxminarayan Chaudhary, Primary School, Harda Khurd, File Ward, Harda, Hoshangabad.
- 3. Dinesh Shukla, Primary School, Kulharda, Harda, Hoshangabad.
- 4. Jiyalal Yadav, Primary School, Kulharda, Harda, Hoshangabad.
- 5. Kusum Yadav, Primary School, Kulharda, Harda, Hoshangabad.
- Mangilal Devda, Primary School, Kadola Ubari, Harda, Hoshangabad.
- 7. Ramcharan Peepraj, Primary School, Raipur, Shahpur, Betul.

B. TEACHERS WHO HAVE COMPLETED THEIR TRAINING FROM CLASS I TO CLASS V

- 1. Suman Nagle, Primary School, Pathai, Shahpur, Betul.
- 2. Kanti Bhalavi, Primary School, Magardoh, Shahpur, Betul.
- 3. Ashok Rane, Primary School, Raipur, Shahpur, Betul.
- 4. Mukesh Malviya, Primary School, Pawarjhanda, Shahpur, Betul.
- 5. Saroj Chaturvedi, Primary School, Shukrawara, Harda, Hoshangabad.
- 6. Narayan Rao Khare, Primary School, Kulharda, Harda, Hoshangabad.
- 7. Shankarlal Yadav, Primary School, Kulharda, Harda, Hoshangabad.
- Nanhelal Malviya, Primary School, Kulharda, Harda, Hoshangabad.
- 9. Arjun Prasad Khatri, Primary School, Rehta Khurd, Harda, Hoshangabad.
- 10. Shyamlal Uike, Primary School, Devtalai, Harda, Hoshangabad.
- 11. Sushma Soni, Primary School, Harda Khurd, Harda, Hoshangabad.
- 12. Umakant Upase, Primary School, Kantawadi, Shahpur, Betul.
- 13. B. L. Dhurve, Primary School, Banabaheda, Shahpur, Betul.
- 14. Ashok Kavre, Primary School, Handipani, Shahpur, Betul.
- 15. Lalman Batke, Primary School, Handipani, Shahpur, Betul.
- 16. Shyam Singh Batke, Primary School, Chikhalda-Buzurg, Shahpur, Betul.
- 17. A. Mankar, Primary School, Chikhalda-Buzurg, Shahpur, Betul.
- 18. Ratan Singh Porte, Primary School, Kundi, Shahpur, Betul.
- 19. Ramashankar Gohe, Primary School, Deshawadi, Shahpur, Betul.
- 20. Radheshyam Chinchore, Primary School, Kadola Ubari, Harda, Hoshangabad.
- 21. Sushma Soni, Primary School, Harda Khurd, Harda, Hoshangabad.

C. TEACHERS WHO PARTICIPATED IN SOME TRAINING CAMPS

- 1. Narayan Shankar Sharma, Primary School, Pahawadi, Shahpur, Betul.
- 2. Mishra, Primary School, File Ward, Harda, Hoshangabad.
- 3. Suryavanshi, Primary School, Kadola Ubari, Harda, Hoshangabad.
- 4. Shashi Dashottar, Primary School, Baretha, Shahpur, Betul.
- 5. C. S. Uike, Primary School, Mokha, Shahpur, Betul.

APPENDIX

- 6. D. R. Kapse, Primary School, Mokha, Shahpur, Betul.
- 7. S. S. Darshyamkar, Primary School, Kantawadi, Shahpur, Betul.
 - 8. M. N. Bamankar, Primary School, Pawarjhanda, Shahpur, Betul.
- 9. Bholanath Sarkar, Primary School, Pahawadi, Shahpur, Betul.
- 10. P. K. Geed, Primary School, Banabaheda, Shahpur, Betul.
- 11. T. L. Nagle, Primary School, Sonadeh, Shahpur, Betul.
- 12. Shamsher Singh Sareaam, Primary School, Kundi, Shahpur, Betul.
- Devendranath Yogi, Primary School, Shukrawara, Harda, Hoshangabad.
- 14. Sunita Doni, Primary School, Shukrawara, Harda, Hoshangabad.
- 15. Sheila Shukla, Primary School, Harda Khurd, Harda, Hoshangabad.
- 16. Daghdulal Mhatre, Primary School, Devtalai, Harda, Hoshangabad.
- 17. Vishnu Prasad Gaur, Primary School, Samardha, Harda, Hoshangabad.
- 18. Madhuri Dube, Primary School, File Ward, Harda, Hoshangabad.
- 19. Revaram Kuresia, Primary School, Kulharda, Harda, Hoshangabad.
- 20. Ashok Joshi, Primary School, File Ward, Harda, Hoshangabad.
- 21. Radheshyam Shandilya, Primary School, Kulharda, Harda, Hoshangabad.
- 22. Kamal Chand Gahlot, Primary School, Kulharda, Harda, Hoshangabad.
- 23. Mangilal Joshi, Primary School, Kulharda, Harda, Hoshangabad.
- 24. Ramchandra Harne, Primary School, File Ward, Harda, Hoshangabad.
- 25. K.C. Sharma, Primary School, Kadola Ubari, Harda, Hoshangabad.
- 26. Uma Vajpeyi, Primary School, Pathai, Shahpur, Betul.
- 27. T. P. Malviya, Primary School, Raipur, Shahpur, Betul.
- 28. Shalikram Soni, Primary School, Patanapura, Shahpur, Betul.
- 29. Mahesh Tiwari, Primary School, Nishana, Shahpur, Betul.
- 30. Rajendra Rathore, Primary School, Nishana, Shahpur, Betul.
- 31. Rajendra Pandavgre, Primary School, Baretha, Shahpur, Betul.
- 32. P. K. Rudrajwar, Primary School, Sonadeh, Shahpur, Betul.
- 33. Brijesh Gupta, Primary School, Kundi, Shahpur, Betul.
- 34. Santosh Verma, Primary School, Deshawadi, Shahpur, Betul.
- Narmada Prasad Joshi, Primary School, Shukrawara, Harda, Hoshangabad.
- 36. Ramchandra Chaube, Primary School, Shukrawara, Harda,

Hoshangabad.

- 37. Neekhar, Primary School, Samardha, Harda, Hoshangabad.
- 38. Manoj Shukla, Primary School, Pahawadi, Shahpur, Betul.
- 39. Prem Dhurve, Primary School, Atarsama, Harda, Hoshangabad

D. TEACHERS WHO CAME FOR ONE OR TWO TRAININGS ONLY

- 1. Sonare, Primary School, Pahawadi, Shahpur, Betul.
- 2. Shivnarayan Malviya, Primary School, Pahawadi, Shahpur, Betul.
- 3. Ganesh Dhurve, Primary School, Pahawadi, Shahpur, Betul.
- 4. Munshilal Thakur, Primary School, Raipur, Shahpur, Betul.
- 5. Sagna Mavase, Primary School, Patanapura, Shahpur, Betul.
- 6. Malviya, Primary School, Patanapura, Shahpur, Betul.
- 7. R. S. Kavde, Primary School, Patanapura, Shahpur, Betul.
- 8. Chain Singh Thakur, Primary School, Kulharda, Harda, Hoshangabad.
- Narendra Dev Shukla, Primary School, Kulharda, Harda, Hoshangabad.
- 10. Kesari Singh Thakur, Primary School, Kulharda, Harda, Hoshangabad.
- 11. Mumtaz Khan, Primary School, File Ward, Harda, Hoshangabad.
- 12. Mishra, Primary School, File Ward, Harda, Hoshangabad.
- 13. Tiwari, Primary School, File Ward, Harda, Hoshangabad.
- 14. Bishnoi, Primary School, Kadola Ubari, Harda, Hoshangabad.
- 15. Hari Prasad Uike, Primary School, Mokha, Shahpur, Betul.
- 16. Trilok Chand Badkul, Primary School, Kantawadi, Shahpur, Betul.
- 17. Soni, Primary School, Pawarjhanda, Shahpur, Betul.
- 18. Shankarlal Malviya, Primary School, Magardoh, Shahpur, Betul.
- 19. Om Prakash Sarothe, Primary School, Magardoh, Shahpur, Betul.
- 20. Sammal Singh Kavde, Primary School, Magardoh, Shahpur, Betul.
- 21. Gupta, Primary School, Kundi, Shahpur, Betul.
- 22. Parsoi, Primary School, Deshawadi, Shahpur, Betul.
- 23. Khalil, Primary School, Shukrawara, Harda, Hoshangabad.
- 24. Prahlad Bishnoi, Primary School, Samardha, Harda, Hoshangabad.

E. PRASHIKA CORE GROUP

- 1. Hriday Kant Dewan, Eklavya, Kothi Bazar, Hoshangabad,
- 2. Subir Shukla, Eklavya, Shahpur, Betul.

- 3. Ghanshyam Tiwari, Eklavya, Patanapura, Shahpur, Betul.
- 4. Anjali Narouha, Eklavya, Nehru Colony, Harda, Hoshangabad.
- 5. Veena Bhatia, Eklavya, E-1/208, Arera Colony, Bhopal.
- 6. Dharmendra Pare, Eklavya, Nehru Colony, Harda, Hoshangabad.
- 7. Shobha Chaube, Eklavya, Nehru Colony, Harda, Hoshangabad.

F. PRASHIKA GROUP MEMBERS FOR SHORT SPELLS

- 1. Sushmita Bannerjee, Jaipur.
- 2. Poonam Batra, Maulana Azad Centre, CIE, University of Delhi, Delhi.
- 3. Nidhi Mehrotra, Delhi.
- 4. Asha von der Weid, Geneva.
- 5. Sundari Ravindran, Centre for Development Studies, Trivandrum.
- Shobha Goel, Department of Linguistics, University of Delhi, Delhi.
- 7. T. S. Satyanath, Department of Modern Indian Languages, University of Delhi, Delhi.
- 8. Mukut Lochan, Department of Linguistics, University of Delhi, Delhi.

G. RESOURCE PERSONS

- 1. Vinod Raina, Eklavya, E-1/208, Arera Colony, Bhopal.
- 2. Rama Kant Agnihotri, Department of Linguistics, University of Delhi, Delhi.
- 3. Vijaya Varma, Department of Physics, University of Delhi, Delhi.
- 4. Krishna Kumar, CIE, University of Delhi, Delhi.
- 5. Nargis Panchapakesham, CIE, University of Delhi, Delhi.
- 6. Padma Sarangapani, CIE, University of Delhi, Delhi.
- 7. A. L. Khanna, Rajdhani College, University of Delhi, Delhi.
- 8. Pramod Shrivastav, Department of Physics, University of Delhi, Delhi.
- 9. Manmohan Kapoor, Department of Chemistry, University of Delhi, Delhi.
- 10. Amitabh Mukherjee, Department of Physics, University of Delhi, Delhi.
- 11. Rashmi Paliwal, Eklavya, Kothi Bazaar, Hoshangabad.
- 12. C. N. Subramaniam, Eklavya, Kothi Bazaar, Hoshangbad.
- 13. Vibha Parthasarthy, Sardar Patel Vidyalaya, New Delhi.

APPENDIX

PRASHIKA

- 14. Moloyshree Hashmi, Sardar Patel Vidyalaya, New Delhi.
- 15. Shashi Saxena, University of Delhi, Delhi.
- Anju Sahgal, Department of Linguistics, University of Delhi, Delhi.
- 17. Arshad Khan, Department of Linguistics, University of Delhi, Delhi.
- 18. Poonam, Department of Linguistics, University of Delhi, Delhi.
- 19. Sunita Garg, Department of Linguistics, University of Delhi, Delhi.
- 20. Sudha Bharadwaj, Dalli Raj Hara.
- 21. Rekha Sharma, Indira Gandhi National Open University, Delhi.
- 22. Maureen Cox, Department of Psychology, University of York, York (UK).
- 23. Jean Aitchison, London School of Economics, London (UK).
- 24. A. K. Sen, Department of Psychology, University of Delhi, Delhi.
- 25. G. C. Gupta, Department of Psychology, University of Delhi, Delhi.
- 26. R. N. Srivastava, Department of Linguistics, University of Delhi, Delhi.
- 27. M. K. Verma, Department of Language, University of York, York (UK).
- 28. S. K. Sinha, University of London, London (UK).
- 29. Yasmeen Lukmani, University of Bombay, Bombay.
- 30. Sadhna Saxena, Kishore Bharati, Pipariya, Hoshangabad.
- 31. Teji Grover, Kishore Bharati, Pipariya, Hoshangabad.
- Patricia Oberoi, Centre for the Study of Social Systems, JNU, New Delhi.
- D. K. Bhattacharya, Department of Anthropology, University of Delhi, Delhi.
- 34. Jose Paul, Educational Planning Group, 4 Raj Niwas Marg, Delhi
- A. K. Sinha, Department of Linguistics, University of Delhi, Delhi.
- 36. K. V. Subbarao, Department of Linguistics, University of Delhi, Delhi.
- 37. Harbir Arora, Department of Linguistics, University of Delhi, Delhi.
- Neeti Ahluwalia, Department of Linguistics, University of Delhi, Delhi.
- 39. Nivedita Das, Department of Linguistics, University of Delhi,

Delhi.

- Alpana Sharma, Department of Linguistics, University of Delhi, Delhi.
- 41. Nirupma Sharma, Department of Linguistics, University of Delhi, Delhi.
- 42. Sanjay Kumar, Department of Linguistics, University of Delhi, Delhi.
- Deepa Jain 'The Enabling Centre', Lady Irwin College, Sikandra Road, New Delhi.
- 44. Priti Joshi, 'The Enabling Centre', Lady Irwin College, Sikandra Road, New Delhi.
- 45. Venu Aindley, 'The Enabling Centre', Lady Irwin College, Sikandra Road, New Delhi.
- 46. Tarun K. Saint, Department of English, University of Delhi, Delhi.
- 47. Usha Rao, Dhannure Niwas, Akkamahadeor Colony, Bidar, Karnataka.
- 48. Neeru Bhatia, Sardar Patel Vidyalaya, Lodi Estate, New Delhi.
- 19. Anita Rampal, E-1/166, Arera Colony, Bhopal.
- 50. Gauri Dyal, A-62, Saraswati Vihar, Delhi.
- 51. Usha K. Sinha, International Student Hostel, University of Delhi, Delhi.
- 52. Ravi S. Bhattacharya, SGTB Khalsa College, University of Delhi, Delhi.
- 53. Najma Siddiqi, Department of Education, University of Delhi, Delhi.
- 54. U. B. Bhatia, Department of Physics, University of Delhi, Delhi.
- 55. K. D. Sharma, National Open School, 39 Community Centre, Ashok Vihar, Delhi.
- 56. T. V. Kunnumbal, Chairman, National Open School, 329 Community Centre, Ashok Vihar, Delhi.
- 57. Usha Lamba, 5 Residential Complex, SGTB Khalsa College, Delhi.
- Chiranjiv Verma, Department of Linguistics, University of Delhi, Delhi.
- 59. Bhupendra, Centre for Historical Studies, JNU, New Delhi.
- 60. Komal Srivastava, Saudhan, Jaipur.
- 61. Tripta Batra, Sardar Patel Vidyalya, Delhi.

153

PRASHIKA

- 62. Hemraj Bhati, Sewa Mandir, Udaipur.
- 63. Kusum Dass, Sardar Patel Vidyalaya, Delhi.
- 64. Ishtiak, Sewa Mandir, Udaipur.
- 65. Arvind Sardana, Eklavya, Radhaganj, Dewas.
- 66. Anu Gupta, Eklavya, Radhaganj, Dewas.
- 67. Shobha Shingre, Eklavya, Radhaganj, Dewas.
- 68. Mandira Kumar, CRY, Bombay.
- 69. Umesh Chauhan, Timarni.
- 70. Nalini Jaiswal, Itarsi.
- 71. Pawanjit Singh, Sewa Mandir, Udaipur.
- 72. Suparna, 'The Enabling Centre', Lady Irwin College, Delhi.
- 73. Kaluram Sharma, Eklavya, Ujjain.
- 74. Vivek Paraskar, Ujjain.
- 75. Ravi Mishra, Eklavya, Radhaganj, Dewas.
- 76. Hansa Saxena, Eklavya, Hoshangabad.
- 77. Tultul Biswas, Eklavya, Bhopal.
- 78. Dhaneshwar, Sewa Mandir, Udaipur.
- 79. P. K. Basant, Sewa Mandir, Udaipur.
- 80. Vandana, Alla Rippo, Delhi.
- 81. Sunil Batra, Ankur, Delhi
- 82. S. C. Behar, Eklavya, Bhopal.
- 83. Gurbachan Singh, DIET, Tikamgarh.
- 84. Vivek Vagh, Nagpur.
- 85. Divya Uberoi, Department of Physics, University of Delhi, Delhi.
- 86. Pratibha Jolly, Department of Physics, University of Delhi, Delhi.
- 87. Sharmishtha, Delhi.
- 88. Charulata, 'The Enabling Centre', Lady Irwin College, Delhi.
- 89. Udita Dass, Department of Sociology, University of Delhi, Delhi.
- 90. Shikha Sen, Delhi.
- 91. P. K. Aggarwal, Chandigarh.
- 92. Madhavi Aggarwal, Chandigarh.
- 93. Neelu Chauhan, Itarsi.

H. THOSE WHO HELPED PRASHIKA WITH ILLUSTRATIONS, ETC.

- 1. Karen Haydock, Chandigarh.
- 2. Jaya Vivek, Eklavya, Bhopal.
- 3. Vivek, Madhyam, Bhopal.
- 4. Rajendra Yadav, Itarsi.

APPENDIX

- 5. Kamlesh Saxena, Hoshangabad.
- · 6. Nalini Jaiswal.
 - 7. Rajesh Khare, Hoshangabad.
 - 8. Vivek Bohre, Hoshangabad.

I. THOSE WHO HELPED IN PRODUCING MATERIALS AND IN ORGANIZATIONAL MATTERS

- 1. Rex D' Rozario, Eklavya, E-1/208, Arera Colony, Bhopal.
- 2. Ragavendra Telang, Bhopal Telecom Department, Bhopal
- 3. Arun Singh, Delhi.
- 4. Rajesh Khindri, Eklavya, Kothi Bazaar, Hoshangabad.
- 5. Mahesh Sharma, Eklavya, Kothi Bazaar, Hoshangabad.
- 6. Rajesh Utsahi, Eklavya, E-1/208, Arera Colony, Bhopal.
- 7. Rambharose, Eklavya, Kothi Bazaar, Hoshangabad.
- 8. Ashok, Eklavya, E-1/208, Arera Colony, Bhopal.
- 9. Ramesh Patil, Eklavya, E-1/208 Arera Colony, Bhopal.
- 10. Dinesh, Pipariya, Hoshangabad.

J. INSTITUTIONS, ORGANIZATIONS, ETC

- 1. Tribal Girls' Hostel, Hoshangabad.
- 2. Tribal Boys' Hostel, Hoshangabad.
- 3. Navodaya Vidyalaya, Powar Kheda, Hoshangabad.
- 4. District Institute of Education and Training, Pachmarhi.
- 5. Kishore Bharati, Bankhedi, Pipariya, Hoshangabad.
- 6. Friends Rural Centre, Rasulia, Hoshangabad.
- 7. Department of Linguistics, University of Delhi, Delhi.
- Centre for Science Education and Communication, University of Delhi, Delhi.
- 9. Sardar Patel Vidyalaya, Delhi.
- 10. Sewa Mandir, Udaipur.
- 11. Department of Physics, University of Delhi, Delhi.

K. INSTITUTIONS IN MADHYA PRADESH

- 1. State Council of Educational Research and Training (SCERT).
- 2. Government School Education Department.
- 3. Directorate of Public Instruction.
- 4. The Tribal Welfare Department.
- 5. The M.P. Textbook Corporation.

SUGGESTED READING

- Badheka, Gijubhai. 1932. *Diwaaswapan* (Translated from Gujarati). New Delhi, National Book Trust.
- Badheka, Gijubhai. 1987. Praathmik shaalaa main bhaashaa shikshaa. Rajaldesar (Rajasthan): Montessori Bal Shikshan Samiti
- Bettelheim, B. 1978. The uses of enchantment: The meaning and importance of fairy tales. Harmondsworth, Penguin.
- Brainerd, C.J. 1978. *Piaget's theory of intelligence*. Englewood Cliffs, N.J., Prentice Hall.
- Brown, R. 1973. A first language. Cambridge, Mass., Harvard University Press.
- Bruner, J.S. 1960. The process of education. Cambridge, Mass., Harvard University Press.
- Chomsky, N. 1959. Review of Skinner's Verbal behaviour. Language 35, 26-58.
- Cohen, A. 1975. A sociolinguistic approach to bilingual education. Rowley, Mass., Newbury House.
- Cook, V. 1991. Second language learning and language teaching. London, Edward Arnold.
- Cummins, J. 1984. Bilingualism and special education: Issues in assessment and pedagogy. Clevedon, Multilingual Matters.
- Cummins, J. and Swain, M. 1986. Bilingualism in education. Essex, Longman.

SUGGESTED READING

Donaldson, M. 1978. Children's mind. Glasgow, Collins.

Dulay, H., Burt, M. and Krashen, S. 1982. Language two. New York, Oxford University Press.

Elkind, D. 1976. Child development and education: A Piagetian perspective. New York, Oxford University Press.

- Ellis, R. 1985. Understanding second language acquisition. Oxford, Oxford University Press.
- Freedman, A., Pringle, I and Yalden, J. 1983. Learning to write: First language/Second language. Essex, Longman.
- Freire, P. 1972. *Pedagogy of the oppressed*. Harmondsworth, Penguin.
- Freire, P. 1985 (1921). *The politics of education: Culture, power and liberation*. New York, Bergin and Garvey. Translated by Donaldo Macedo.
- Goody, J. 1968. ed. *Literacy in traditional societies*. Cambridge, Cambridge University Press.
- Grellet, F. 1981. *Developing reading skills*. Cambridge, Cambridge University Press.
- Guru, K. 1977. Hindi vyaakaran. Kashi, Nagri Pracharini Sabha.
- Harrison, C. 1980. *Readability in the classroom*. Cambridge, Cambridge University Press.
- Holt, J. 1964. How children fail. Harmondsworth, Penguin.

Holt, J. 1967. How children learn. Harmondsworth, Penguin.

Horsburgh, D. 1973. Spring readers. New Delhi, Oxford University Press.

Hudson, R.A. 1980. *Sociolinguistics*. Cambridge, Cambridge University Press.

Illich, I. 1971. Deschooling society. New York, Harper and Row.

- Inhelder, B., Sinclair, H. and Bovet, M. 1974. *Learning and the development of cognition*. London, Routledge & Kegan Paul.
- Kamat, A.R. 1973. *The educational situation*. New Delhi, People's Publishing House.

Khubchandani, L.M. 1988. ed. *Language in a plural society*. Shimla, Indian Institute of Advanced Studies.

- Kothari Commission Report. 1966. Education and national development. New Delhi, Ministry of Education, Government of India.
- Krashen, S. 1982. Principles and practice in second language acquisition. Oxford, Pergamon Press.
- Kumar, K. 1978. Raj, samaj aur shiksha. New Delhi, Macmillan.
- Kumar, K. 1987. The child's language and the teacher: A handbook. New Delhi, UNICEF.
- Liebeck, P. 1984. How children learn mathematics: A guide for parents and teachers. Harmondsworth, Penguin.
- Nuffield Foundation/CEDO. 1970. The first three years: Handbook for teachers. UK.
- Pandit, P.B. 1972. India as a sociolinguistic area. Poona, University of Poona, Gune Memorial Lectures.
- Parker, R.K. 1974. ed. The preschool in action. Boston, Allyn and Bacon.
- Pattanayak, D.P. 1990. ed. Multilingualism in India. Clevedon, Multilingual Matters.
- Piaget, J. 1955. The language and thought of the child. New York, World Press.
- Piaget, J. and Inhelder, B. 1969. The psychology of the child. London, Routledge & Kegan Paul.
- Street, B. 1984. Literacy in theory and practice. Cambridge, Cambridge University Press.
- Saylor, J.G. and Alexander, W.M. 1974. Curriculum planning for schools. New York, Holt, Rinehart and Winston.
- Schwebel, M. and Ralph, J. 1973. ed. Piaget in the classroom. New York, Basic Books.
- Tannen, D. 1982. ed. Spoken and written language: Exploring orality and literacy. Norwood, N.J., Ablex.
- Vajpayee, K. 1958. Hindi shabdaanushaasan. Kashi, Nagri Pracharini Sabha.

Vygotsky, L.S. 1962. Thought and language. New York, MIT Press.

INDEX

children: abilities of 15, 17, 18, 19, 20, 22, 24, 33, 36, 46, 47, 54, 57, 58, 65, 69, 70, 75, 101, 103, 104, 107, 134 achievement of 15-16 as assets 34 background of 13,14-15, 17, 19,45 curiosity of 106-107, 112 creativity of 14, 19, 34, 59, 65, 73, 85, 134 discipline in 34 environment of 35, 64, 114, 115, 142 evaluation and assessment of 38-39 experiments with 21 language of 68, 131-132 needs of 124 participation of 131 psychological studies with 20 - 21silence among 17 surroundings of 15

teachers and 13, 29-30, 31 understanding of 122-123 classroom: activities 17 observation 22 curriculum 29, 33, 39, **43-54**, 58, 68, 71-72, 73, 82, 83- 84, 86, 89, 115, 121, 122, 124, 126, 132, 141, 142, 143 design 31, 45 development of 46-47, 96-97

education: change in 146 learner-centred 30 primary 13, 15, 25, 42, 62 Eklavya 7, 9, 10, 16, 18, 19, 22, 29, 81, 140 environment **99-118** *see also* children, environment of examinations, system of 39

Harda 24, 25, 111 Hoshangabad 24, 57

159

PRASHIKA

Hoshangabad Science Teaching Programme (HSTP) 9, 15, 18, 57, 128 Khushi-Khushi 37, 49, 51, 63, 72, 75, 77, 77-78, 89, 93, 110, 111 language 55-78, 59-60, 116, 123, 129 dialect 61 learning materials 60 learning of 64-65, 65, 69, 70, 84 native vs standard Hindi 59-62 place of grammar in 70 see also skills teaching of 69, 70, 71, 72 learning, nature of 31-33 process 31, 121

Madhya Pradesh 7-8, 9, 57 mathematical surveys 23 mathematics **79-98**, 116 multilingualism 60, 62, 68

NCERT 22

Prashika: achievements of 145, 146 curriculum of, *see* curriculum debates within 142-145 demands on teacher of 122-124 failures of 145, 146 origins of **15-25** problems faced by 139-141

world of 25-26 SCERT 9 Shahpur 25, 110 skills 45-46, 47, 50, 52, 53, 58, 65, 81, 86, 98, 101, 104, 117, 123, 126 analytical 8 environmental 101-102 language 33, 57 mathematical 8, 46, 81, 92 teacher-training camps 22, 25, 26, 139 teacher-orientation programmes 126, 127, 130, 135 teachers 13, 14, 19-20, 22, 23, 25, 38, 47, 73, 95, 96-97. 119-135 attitudinal changes among 135, 145 background of 124-126 creativity of 121, 124, 129 inhibitions of 121, 124, 130 see also children, understanding of training of 119-120 understanding in 122-123, teaching: evaluation of 29 materials 17, 22, 23, 25, 29, 35-38, 38, 39, 52, 58, 61, 92-96, 109-110, 142 methods 17, 22, 29, 34-35, 59, 90-91, 92 textbook 15, 17-18, 19, 49, 58, 62, 73, 82, 125, 126

EKLAVYA . . .

A voluntary organization in Madhya Pradesh (Central India), has been engaged in innovative programmes in education for the last ten years. Eklavya's major preoccupation has been to intervene in school education with a view to providing alternative curricula and teaching methods without insisting on any major structural changes.

What informs all the activities of Eklavya is the awareness that education cannot be isolated from its social context and that meaningful child-centred education can motivate people to change the conditions in which they live.

A compulsory reading for anyone interested in initiating innovations in primary education. Prof. PREM SINGH Department of Linguistics University of Delhi



Prashika is easily one of the most exciting adventures in children's education in our times. It brought together a set of remarkable individuals whose interests and background varied, and some of whom would have had nothing to do with primary education had it not been for the opportunity that Prashika gave them. The major advantage this group had was that its members were not ridden by the preconceptions and inhibitions inevitably imparted by our conservative teacher training. The ideas they pursued are recognized the world over as the basic ingredients of progressive pedagogy, such as acceptance of individual uniqueness, small-group activities, and relevance of children's out-ofschool experiences in classroom work. Many Indian institutions and educationists talk about such ideas these days; in Prashika, these ideas have actually been put into action-that's all! Prof. KRISHNA KUMAR

Prof. KRISHNA KUMAR Central Institute of Education, University of Delhi