

Resume

Name: Mr. Arvind Gupta

Date of Birth: 04 December 1953

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Academic Qualifications:

Degree Year Institution Division

B. Tech (Elec) 1975, Indian Institution of Technology, Kanpur, First Division

Intermediate 1970, Government Intermediate College, Bareilly, Distinctions, Dist. Topper

I.S.C. 1969, St. Maria Goretti Convent School, Bareilly (U.P.) First Division

Experience:

1. Oct 2003 - Dec 2014, worked at the Children's Science Centre of IUCAA (Inter-University Centre for Astronomy & Astrophysics) Pune. The Science Centre was the dream of Prof. Jayant V. Narlikar – India's most distinguished Astrophysicist.
2. Jan 1998 - Dec 2000, worked on a Science Popularisation project, funded by CAPART. The work entailed writing science activity books and conducting a series of hands-on workshops with clusters of NGOs.
3. For 7 years, conducted workshops on making appropriate teaching aids with parents / teachers working with mentally and physically challenged children, at the Spastic Society of North India, New Delhi.
4. Conducted science activity workshops, with teachers and children in over 3,000 schools and institutions over the past 35 years. These include rural and tribal schools, Krishnamurti & Sri Aurobindo Schools and also urban schools like the Delhi Public School, Sardar Patel Vidyalaya, The American School, The British School, Vasant Valley School, Sriram School, Nehru Science Centre, JNU, IIT / Delhi, Kanpur, Chennai & Mumbai. The number of institutions, both government and NGOs are far too many to list.

5. 1997-98, consultant to NBT's National Centre for Children's Literature (NCCL). Actively involved in promoting educational classics like *The UNESCO Source Book of Science in the Primary School*, *Divaswapna*, *Tottochan*, *Gayneck*, *Teacher*, *Summerhill*, *Free at Last*, *Danger School* etc.
6. 1990-94, ran the science activity club in *Mirambika* - a free progress school run by the Sri Aurobindo Ashram, New Delhi.
7. As a UNESCO consultant on science teaching, conducted workshops for teachers from different South Asian countries in Bangkok (1988) and Male (1990).
8. 1985 - 87, NCSTC / DST fellowship for writing the book *Matchstick Models & Other Science Experiments* - a science activity book. This book was subsequently translated into 13 Indian languages, by different popular science groups and sold more than half a million copies. Translated in Chinese.
9. Actively collaborated with several popular / people's science movements and NGO's in revitalizing the curriculum and making science more meaningful and joyous for children. These organizations include the Kerala Sastra Sahitya Parishad, Eklavya, Marathi Vigyan Parishad, Karnataka Rajya Vigyan Parishad, Social Work Research Centre, Tilonia, Lok Jumbish Trust etc.
10. 1981-83, worked on an Environmental Plan for Shahdol District, as part of a Department of Science & Technology project.
11. Sep - Oct 1978, worked for 8 weeks with the renowned architect Laurie Baker, on low-cost housing programs for the poor.
12. 1978 took one year's study leave from TELCO and worked with an NGO - Kishore Bharati, started by Dr. Anil Sadgopal. Designed many low-cost science teaching aids, as part of the *Hoshangabad Science Teaching Program*.
13. 1975-80, worked as a maintenance engineer with the Tata Engineering & Locomotive Company (TELCO), Pune.
14. 1973, worked as a summer trainee, student apprentice, for six weeks with the Tata Iron & Steel Company (TISCO), Jamshedpur.

International Seminars / Invitations:

1. April 10-12 2018, *Lego Ideas Workshop*, Billund, Denmark. Was nominated for the *Lego Prize* by the Lego Foundation.
2. November 08-13 2017, *Workshop on Frugal Innovation* organised by BRAC in Dacca, Bangladesh.
3. April 20-23, 2017, Barcelona, Spain keynote address at the *STEAM Conference* organized by “laCaixa” Foundation for School Science Teachers.
4. Sep 28 to Oct 10, 2016, Keynote Speaker at the *IIT Alumni Canada* conference in Toronto, Canada. Conducted workshops in several schools and gave a lecture-demonstration at the Dept. of Education, University of Toronto.
5. Feb 22 to Mar 03, 2016, invited by *Fix and Make* to conduct workshops in several schools in Canberra and Sydney, Australia.
6. Mar 04-08, 2015, Keynote address at the *National Progressive Teachers Conference*, Jakarta, Indonesia.
7. May 31, 2013, Keynote address at the *Polish Academy of Kids*, Gdansk, Poland on Science Teaching Aids. This was attended by over 800 children.
8. Mar 2011, conducted a workshop “Toys from Trash” for the *Royal College of Art* and *French School*, Stockholm, Sweden.
9. Apr 2007, *Sasol Science Fair*, Grahamstown South Africa. Won the Best Workshop award for innovative science activities.
10. May 2006, I-Temba Labs, Cape town, South Africa during the National Science Week. Conducted 10 workshops for school children - especially the underprivileged children in the Cape Flats.
11. Mar-Apr 2006 invited by Prof. Pervez Hoodbhoy to conduct workshops in four cities of Pakistan - Karachi, Hyderabad, Islamabad and Lahore. Conducted workshops in over 20 schools in Pakistan.
12. July 2005 attended the *International Play Association's* annual conference in Berlin, Germany.
13. May 2005 attended the conference on popular science organized by *l'Association Française des Petits Débrouillards* at Lyon, France.
14. May-June 2004 visited British schools at the invitation of the *Hampshire Development Education Centre*, Winchester and Glades, Somerset, and conducted workshops on science through activities, with teachers and children.

15. June 4-25, 2000, visited 20 British schools at the invitation of the *Hampshire Development Education Centre*, Winchester and Glades, Somerset, and conducted workshops on science through activities, with teachers and children.
16. Aug 1999, invited by Prof. Alan Kay (father of the personal computer) Head, Walt Disney Imagineering & Research and the MIT (Media Lab) to share the joy of making toys at the *International Conference for the Arts & the Sciences*, Apple Hill, New Hampshire. Visited the Boston Science Centre and conducted a workshop at the Children's Centre, Boston.
17. June 1999, invited by the *International Toy Research Association* (ITRA) to demonstrate low-cost teaching aids and innovative science toys, at the Halmstad University, Sweden.
18. Aug 1998, attended a 15 days' workshop on *Toys for Children's Rehabilitation* at the Auhof Rehabilitation Centre, Hilpolstien, Germany, at the invitation of UNESCO, Germany.
19. Aug - Sep 1996, visited various Children's Science Centre's, Museums, Schools and Toy Libraries in Finland, Sweden and the United Kingdom. This was at the invitation of the *International Play Association* (IPA).
20. 1990, conducted a month-long science teaching workshop with teachers of the Republic of Maldives, Male. This was at the invitation of *UNESCO*. 1988, conducted a three-week workshop with teachers from south Asian countries at the *UNESCO* regional office in Bangkok.

Publications:

Books on improvised, low-cost science activities and innovative science toys:

1. *Wonders from Waste* (2015) Published by Scholastic contain instructions of making 50 science models. This book has been illustrated by Reshma Barve.
2. *Women on Wheels* (2015) Graphic Novel documenting the 1990 historic literacy campaign in Pudukkottai District where 10,000 women learnt to cycle. This book was illustrated by Ishita Dharap.
3. *Hands-On Maths* (2014) Documents inspiring stories, puzzles and teasers which will hook every child to Maths. This book was illustrated Reshma Barve. It has been translated in Tamil and Sinhala.
4. *Toys from Trash* (2013) Published by Scholastic contain instructions of making 50 science models. This book was illustrated Reshma Barve.
5. *SciFun* (2013) Published by Scholastic contains instructions of making 50 science models. This book was illustrated Reshma Barve.
6. *Fun with Leaves* (2013) Published by Scholastic. This book shows possibilities of making amazing pictures using dried leaves. The book was illustrated by Dr. Vidula Mhaiskar.
7. *Thumbs Down* (2012) Published by Scholastic. This book shows possibilities of making amazing pictures using Thumb Prints. This book was illustrated Dr. Vidula Mhaiskar.
8. *Amazing Activities* (2012) Published by Scholastic contains instructions of making 50 science models. This book was illustrated Reshma Barve.
9. *The Story of Solar Energy* (2011) Published by Scholastic. This book is a graphic account of the history of Solar Energy. This book has been translated in nine languages.
10. *Science from Scrap* (2010) Published by Scholastic contains instructions of making 50 science models. This book was illustrated Chinmayee Samant and has been translated in five languages.
11. *Bright Sparks* - Inspiring Indian Scientists from the Past (2009) Profiles of 40 scientists, Illustrated by Karen Haydock. Published by the Indian National Science Academy (INSA) - as part of its Platinum Jubilee Celebrations, this book has been translated in nine Indian languages.

12. *Science Skills & Thrills* (2008) the best of Arvind Gupta; published by Kerala State Institute of Children's Literature, Thiruvananthapuram, 695035 India. This book has been translated in six languages.
13. *Quick Science* (2009) published by Scholastic India.
14. *Odds & Ends* (2009) published by Scholastic India.
15. *Aha! Activities* (2006) A book on science activities with over 1000 illustrations. (www.eklavya.in)
16. *Hands-On* (2002) Collation of interesting activities - geometry by paper folding, toys, pumps, cars etc. Published by Vigyan Prasar, A-50, Institutional Area, Sector 62, Noida 201307 (UP).
17. *String Games* (2002) Compilation of 50 best string games from all over the world. Profusely illustrated and published by the National Book Trust.
18. *Ten Little Fingers* (2000) a comprehensive, primary science manual on ideas and activities. This illustrated manual was sponsored by the District Primary Education Program and was printed by the National Book Trust.
19. *Little Toys* (1996) Published by the National Book Trust. On popular demand this book has already been translated into several Indian languages
20. *Toy Treasures* (1993) a book on science activities and innovative toys is in the sixth edition. (www.eklavya.in)
21. *Toy Joy* (1992) documents several dynamic paper toys and traditional Indian toys. (Vigyan Prasar)
22. *Pumps from the Dump* (1992) documents to make a dozen working models of pumps using old film roll bottles, bicycle tubes and other junk. (Vigyan Prasar)
23. *Leaf Zoo* (1992) shows possibilities of making animal figures using various leaves. (Vigyan Prasar)
24. *The Toy Bag* (1991) Make a simple electric motor in less than 10 minutes! This book documents some delightful low-cost science models. This book has been translated into 6 Indian languages. (www.eklavya.in)
25. *Tangrams* (1990) Published by Balasahiti, Hyderabad.
26. *Little Science* (1989) Geometry by paper folding, Flexagons, Paper Cube along with 30 other science activities using throwaway materials. Translated and printed in 6 Indian languages. (www.eklavya.in)

27. *Matchstick Models & other Science Experiments* (1987). This book was translated into 13 Indian languages and has sold over half a million copies. This book was selected under Operation Blackboard by six different states. (www.eklavya.in)

Popular Science Articles:

1. 1986-88, wrote a monthly column titled Little Science for the popular science magazine *Science Age*, published by the Nehru Science Centre, Mumbai and edited by the late Surendra Jha.
2. Regularly contributed popular articles on science and education for *Chakmak, Palash, Invention Intelligence, Shivira* and *Sandarbh*.
3. Jan 1995 - Dec 1999, for 5 years wrote a regular monthly column titled Little Science, for the popular science magazine *Science Reporter*.
4. Jan 1997 - Dec 1997, wrote a monthly column titled *Kabad Se Jugad* for the Hindi popular science magazine *Vigyan Pragati*.
5. Jan 1996 - June 1999 wrote a monthly newsletter on education titled *Ful-Jhadi* for the Lok Jumbish Parishad - a group working for the revitalization of primary education in the state of Rajasthan.
6. From Aug 2000, have contributed a weekly column on science activities for the Hindi daily *Rashtriya Sahara*.
7. From Jan 2008, have contributed a fortnightly column on science activities for the *Young Buzz*.
8. From Jan 2009, have regularly contributed a weekly column on science activities for the Marathi Newspaper *Loksatta* and a monthly column for *Samayik Varta* edited by Prof. Yogendra Yadav.
9. From June 2009 contributed a regularly monthly column Eureka for the popular *magazine Brainwave* and *Deccan Herald*.
10. Fourteen articles in The *Hindu's Young World* during May-July 2017

Translations in Hindi

Translated over 1000 books in *HINDI*. These books are on Education, Environment, Peace, Science, Mathematics and good children's book from all over the world.

(Sample of a few translated books)

1. Preparation for Understanding - Keith Warren (NBT)
2. Houses - How to Reduce Building Costs? - Laurie Baker (CAPART)
3. Mud - Laurie Baker (CAPART)
4. The Joy of Making Indian Toys - Sudarshan Khanna (NBT).
5. Environment & Self-Reliance - Yona Friedman (Human Resource Foundation)
6. Energy & Self-Reliance - Yona Friedman (Human Resource Foundation)
7. Trees - an Asian Cultural Centre for UNESCO (ACCU) book (NBT)
8. Riddles in a Teacup - Dipankar Home & Partho Ghosh (NBT)
9. Mama Moo on the Swing - Jujja Weislander (NBT)
10. The Man Who Planted Trees - Jean Giono (New Age)
11. VSO Handbook for Science Teachers - Andy Byers, Ann Childs, Chris Laine (Eklavya)
12. The Blackboard Book - Eleanor Watts (Orient Longman)
13. Little Toys - Arvind Gupta (NBT)
14. Low-cost, No-cost Teaching Aids - Mary Ann Dasgupta (NBT)
15. Quick Science - Herman & Nina Schneider (Scholastic, India)
16. Science Surprises - Melvin Berger (Scholastic, India)
17. Wonders of Science - Sandra Markel (Scholastic, India)
18. Children & Water - Jos Elstgeest (Bharat Gyan Vigyan Samiti BGVS)
19. Children & the Environment - Jos Elstgeest (BGVS)
20. Children, Mirrors & Reflection - Jos Elstgeest (BGVS)
- 21 Children & Balances - Jos Elstgeest (BGVS)
22. Rats - J.B.S. Haldane (BGVS)
23. The Last Leaf - O. Henry (BGVS)
24. The Selfish Giant - Oscar Wilde (BGVS)
25. The Giving Tree - Shel Silverstein (BGVS)
26. A Private Secret - Quentin Reynold (BGVS)
27. How You Began - Andrew Andrie & Steven Shepp (BGVS)
28. The Day of the Bubble - James A. Smith (BGVS)
29. My Magical School - Dr. Abhay Bang (BGVS)

30. Bobak Goat - Munro Leaf (BGVS)
31. Jolly Family - Nikolai Nosov (BGVS)
32. The Bee & the Rose - Peter de Rosa (BGVS)
33. Johnathan Livingston Seagull - Richard Bach (BGVS)
34. Sadako & the Thousand Paper Cranes - Eleanor Coerr (BGVS)
35. Faithful Elephants - Yukio Thuchia (BGVS)
36. Shin's Tricycle - Tatsaharo Kodama (BGVS)
37. Hiroshima No Pika - Toshie Maruki (BGVS)
38. Hope for the Flowers - Trina Paulos (BGVS)
39. Dinky & Spot - Ernst Paulos (BGVS)
40. From Egg to Chick - Millicent M. Selsam (BGVS)
41. Millions of Cats - Wanda Gag (BGVS)
42. George Washington Carver - Arvind Gupta (BGVS)
43. Louis Braille - Arvind Gupta (BGVS)
44. Fun with Thumbprints - Arvind Gupta (BGVS)
45. The School of Joy - Arvind Gupta (BGVS)
46. Gleam in the Eye - Arvind Gupta (BGVS)
47. Square Pegs in Round Holes - Ravindra Keskar (Vigyan Prasara)
48. An African Story - Arvind Gupta (BGVS)
49. Rubbish - Laurie Baker (BGVS)
50. The Story of Ferdinand - Munro Leaf (BGVS)
51. The Story of Johnny Appleseed - Alike (BGVS)
52. Three Promises - Munro Leaf (BGVS)
53. Binny's Animals - Millicent M. Selsam (BGVS)
54. Reading can be Fun - Munro Leaf (BGVS)
55. Science can be Fun - Munro Leaf (BGVS)
56. Lucky You - Munro Leaf (BGVS)
57. Five Chinese Brothers - Claire Bishop Huchet (BGVS)
58. Secrets of the Earth - Aika Tsubota (BGVS)
59. My Feet are the Wheelchair - Annegret Ritter & Franz-Joseph Huainigg (BGVS)
60. 150 Facts You Won't Believe! - Hugh Westrup (Scholastic India)
61. UNESCO Sourcebook for Science in the Primary School - Harlem & Elstgeest (NBT)
62. Sun - ACCU book (NBT)
63. Little Arthur's Sun - Hazdak Gulnazrayan (BGVS)

64. VSO Maths Teachers Handbook - Jane Portman & Jeremy Richardson (Eklavya)
65. Walking the Wild Path - stories of 16 Indian environmentalists (NBT)
66. The Story of Physics - Prof. T. Padmanabhan (Vigyan Prasar)
67. Brothers of Chichibaba - Prof. D. P. Sengupta (Eklavya)
68. The Story of the Bicycle - Prof. Vijay Gupta (Vigyan Prasar)
69. Did Dinosaurs Live in Your Backyard - Melvin & Gilda Berger (Scholastic)
70. Popcorn Pirates - Alexander M. Smith (Scholastic)
71. The Ugly Duckling - retold by Helen Denmore (Scholastic)
72. Musicians of Bremen - retold by M. Jungman (Scholastic)
73. The Little Mermaid - retold by Linda Newbery (Scholastic)
74. The Beauty and the Beast - retold by Tressa Krelling (Scholastic)
75. The Last Flower - James Thurber (BGVS)
76. Can Snakes Crawl Backwards - Melvin & Gilda Berger (Scholastic)
77. What makes an Ocean Wave - Melvin & Gilda Berger (Scholastic)
78. Why don't Haircuts Hurt - Melvin & Gilda Berger (Scholastic)
79. Mouse Trouble - John Yeoman (BGVS)
80. Let's Do Better - Munro Leaf (BGVS)
81. The Underachieving School - John Holt (Eklavya)
82. How Do Flies Walk Upside Down - Melvin & Gilda Berger (Scholastic)
83. Do Whales Have Belly Buttons - Melvin & Gilda Berger (Scholastic)
84. Stories of Sheikh Chilli – Anupa Lal (Scholastic)
85. Aunt Lulu- Daniel Pinkwater (BGVS)
86. How did we find the Earth is Round - Isaac Asimov (BGVS)
87. Librarian of Basra - Jeanette Winter (BGVS)
88. How big is a foot? - Rolf Myller (BGVS)
89. I was walking down the road - Sarah E. Barchas (BGVS)
90. Making Things - Ann Sayre Wiseman (Eklavya)
91. Maybe Right, Maybe Wrong - Dan Barker
92. I was walking down the road - Sarah E. Barchas (BGVS)
93. Riddle of the Ridley - Shekhar Dattatri (Tulika)
94. The Mountain who loved the bird - Alice Mclarren (Tulika)
95. Picture Gandhi - Sandhya Rao (Tulika)
96. Chuskit goes to school - Sujatha Padmanabhan (BGVS)
97. The girl who hated books - Meera Pavagi (BGVS)

98. Princess Pooh!- Katheleen Mudloon (BGVS)
99. Plenty of fish - Millicent Selsam (BGVS)
100. Mike's Kite - Elizabeth McDonald (BGVS)
101. Hump on Nandi's Back - Damodar Dharmanand Kosambi (BGVS)
102. Sevagram to Shodhgram - Dr. Abhay Bang (From Marathi to English)
103. Flight of Fancy - Jean Pierre Petit
104. Around the World - Jean Pierre Petit
105. Poo - Sourabh Phadke
106. Matchstick Models & other Science Experiments - Arvind Gupta (Eklavya)
107. Little Science - Arvind Gupta (Eklavya)
108. Toy Bag - Arvind Gupta (Eklavya)
109. Little Toys - Arvind Gupta (NBT)
110. Toy Treasures - Arvind Gupta (Eklavya)
111. Pumps from the Dump- Arvind Gupta (Eklavya)
112. Ten Little Fingers - Arvind Gupta (NBT)
113. String Games - Arvind Gupta (NBT)
114. Hands-On - Arvind Gupta
115. Bright Sparks - Arvind Gupta (Eklavya)
116. Addicted to War - Joel Adrez
118. Barefoot Gen - Keiji Nakazawa
119. Maus - Art Spiegelman
120. Science from Scrap- Arvind Gupta (Scholastic)
121. The Little Old Man - Natalie Norton (BGVS)
122. Alexander Graham Bell (BGVS)
123. Anno's Magic Seeds - Mitsumasa Anno (BGVS)
124. Are You My Mother - P D Eastman (BGVS)
125. Autobiography of Helen Kelller (BGVS)
126. Fun with Seeds - Maryam Rahmati Evini (BGVS)
127. Harold and the Purple Crayon - Crockett Johnson (BGVS)
128. Helping Hands - Suzane Haldane (BGVS)
129. Hidden Secrets - Quentin Reynold (BGVS)
130. How Babies Are Made - Andry, Schepp (BGVS)
131. I Have a sister - My Sister is Deaf - Jean Whitehouse Peterson (BGVS)
132. Leaf Zoo - Arvind Gupta (BGVS) - Arvind Gupta
133. Little Children Help - Fedd Kyo (BGVS)

134. Mike's Steam Shovel - Virginia Burton (BGVS)
135. Naughty Mice - John Youmen (BGVS)
136. Once a Mouse - Marcia Brown (BGVS)
137. Speaking Stones - Abolfazl Hemmati e Ahooe (BGVS)
138. How Did We Find Out About Solar Power - Isaac Asimov
139. The Red Balloon - Albert Lamorisse (BGVS)
140. The Runaway Bunny - Margaret Wise Brown (BGVS)
141. Wolfie - Janet Chennery (BGVS)
142. Magical Horse - Malcolm York (Scholastic)
143. Why do Volcanoes Erupt - Melvin & Gilda Berger (Scholastic)
144. The Story of Solar Energy - Arvind Gupta (Eklayva)
145. Amazing Activities - Arvind Gupta (Pratham)
146. How Did We Find Out About Beginning of Life - Isaac Asimov
147. How Did We Find Out About Blood - Isaac Asimov
148. How Did We Find Out About the Deep Sea - Isaac Asimov
149. How Did We Find Out About Dinosaurs - Isaac Asimov
150. How Did We Find Out About Energy - Isaac Asimov
151. How Did We Find Out About Germs - Isaac Asimov
152. How Did We Find Out About Numbers - Isaac Asimov
153. How Did We Find Out About Photosynthesis - Isaac Asimov
154. How Did We Find Out About Vitamins - Isaac Asimov
155. Malaria Graphic Book by the European Commission - Jamie Hall & Edward Ross
156. How Did We Find Out About Antarctica - Isaac Asimov
157. How Did We Find Out About Black Holes - Isaac Asimov
158. How Did We Find Out About Comets - Isaac Asimov
159. How Did We Find Out About Neptune - Isaac Asimov
161. How Did We Find Out About Pluto - Isaac Asimov
162. How Did We Find Out About DNA - Isaac Asimov
163. How Did We Find Out About Our Human Roots - Isaac Asimov
164. How Did We Find Out About Robots - Isaac Asimov
165. Gandhi - Manga Cartoon Book - Kazukee Iban
166. Toys from Trash - Arvind Gupta (Pratham)
167. SciFun - Arvind Gupta (Pratham)
168. Aha! Activities - Arvind Gupta (Pratham)

169. Hands-on Maths - Arvind Gupta

170. Wonders from Waste - Arvind Gupta

Educational / Science Films:

- Arvind Gupta's **TED** talk *Turning Trash into Toys for Learning* (viewed by 2-million people).
http://www.ted.com/talks/arvind_gupta_turning_trash_into_toys_for_learning.html
- Rumble Talk - Science through Activities
http://www.youtube.com/watch?v=l4_Gxq8XaEg3
- Teaching Science - Open the Lab, Pick up the Trash (Podcast)
<http://eledu.net/node/4393>
- Produced 1100 short (1-2) minutes films on *Toys from Trash* (in English). A total of 8,700 short films have been uploaded on YouTube in **Twenty** different languages with a viewership of over **100-million**. The languages are (English, Hindi, Marathi, Kannada, Bangla, Tamil, Oriya, Punjabi, Marwari, Gujarati, Telugu, French, Spanish, Japanese, Russian, Tajik, Uzbek, Bhojpuri, Indonesian, Nepali etc.). They can all be viewed on the website <http://arvindguptatoys.com>
- The above website has over 7,500 passionate books on Education, Science, Mathematics, Environment, Peace and Children's books in English, Hindi and various Indian languages. Everyday 6,000 books are downloaded from the website.
- Presented over 128 TV Programs on science activities, innovative toys and teaching aids on the *National Television (Doordarshan)*. These films were made by the Central Institute of Educational Technology (CIET) - the television wing of the National Council for Educational Research & Training and the University Grant's Commission, for their country wide broadcast program. Many of these films have been dubbed into 7 regional languages.
- Featured as the Green Guru - for making toys with trash, on the popular TV program *Living on the Edge*.
- Featured on the program MAD (POGO) channel.
- Featured on the National Geographic Channel in the program *Science Safari*.
- Featured on the ETV in the program *Margdarshak*.
- Presented 20 Science Activities films for the program *Toppers Learning*. Featured in the TV program *Secret Lives* produces by NDTV.

- Featured on the TV program *Hum Log* produces by NDTV (01 July 2012). This can be viewed on the link: <http://www.ndtv.com/video/player/hum-log/video-story/237898>
- Featured as an *Amazing Indian* produced by NOW TV (19 Dec 2012). This can be viewed on the link: <http://www.youtube.com/watch?v=WLjzMMS3gEU>
- *Mathematics through Activities* – Arvind Gupta’s INSPIRE Talk in Hindi <https://www.youtube.com/watch?v=ZnopNRz9XNk>
- *Science through Activities* – Arvind Gupta’s INSPIRE Talk in Hindi <https://www.youtube.com/watch?v=IUi1pKbCy3g>

Awards:

1. *Padma Shri* awarded by the Government of India (2018).
2. *Dr. Narendra Dabholkar Memorial Award*, by the Maharashtra Foundation (2017).
3. *Distinguished Math Teacher’s Award*, Association of Maths Teachers of India (2016).
4. *IBN-Lokmat Prerna Award* (2014).
5. *Dadhichi Award* was given on 05 January 2013, by The Education Society, Ambarnath, Maharashtra.
6. *C. N. R. Rao Education Foundation Prize for Outstanding Science Teachers* given on 30 June 2011 at the Jawahar Lal Nehru Centre for Advanced Scientific Research, Bangalore.
7. *Sri Chandrasekarendra Saraswati National Eminence Award* conferred by the South Indian Education Society at Shanmukhananda Hall, Mumbai (22 Jan 2011). The award consisted of a cash prize and a ceremonial brass lamp.
8. *TWAS (Third World Academy of Sciences) Regional Award for Public Understanding of Science & Science Popularization* (Oct 2010). The award consisted of a cash prize of US\$ 3000.
9. *Prof. T. Navaneeth Rao Best Teacher’s Award*, conferred by the A.V. Rama Rao Foundation and the Indian Institute of Chemical Technology, Hyderabad (05 Sep 2010).
10. *One India One People Award*, conferred by the One-India, One People Foundation, Mumbai (07 March 2009). The award consisted of a cash prize and a citation.
11. *Indira Gandhi Award for Science Popularisation* 2008, conferred by the Indian National Science Academy (INSA) on National Science Day (28 Feb 2008).

12. *Harmony Silver Award*, inaugural award conferred by the Harmony Silver Foundation (Chairperson Tina Ambani) for making science fun for the children of India (Oct 2007).
13. *Prashant Padhye Award* conferred by the Prashant Padhye Cultural Trust, Satara for making science interesting for children (August 2005).
14. *Prof. G. D. Parikh Memorial Award*, conferred by the M.N. Roy Humanist Centre for distinguished contributions in education (March 2004).
15. *Garware Balbhavan Award*, for making science learning fun for children (Oct 2003).
16. *Mary McCurdy Award*, conferred by the Council of Science Education International (CESI) 2001, for dissemination of science.
17. *Distinguished Alumnus Award, of the Indian Institute of Technology, Kanpur*, 2000, for outstanding and seminal contributions in developing low-cost science teaching aids for young children.
18. *Hari Om Ashram Award*, conferred by the University Grant's Commission, 1995. This award was given under the category Science & Society and consisted of a citation and a cash prize.
19. *Ruchi Ram Sahni Award*, for Science Popularisation, 1993. This award carried a memento and a cash prize.
20. *Granthali Award*, 1992, for the popular book *KHEL* in Marathi.
21. *National Association for the Blind Award*, 1991, for designing appropriate teaching aids for pre-school visually impaired children.
22. *Hari Bhau Mote Award*, conferred by the Marathi Vigyan Parishad, 1988, for designing the Matchstick Mecanno. The award carried a certificate and a cash prize.
23. *National Award for Science Popularisation amongst Children*, conferred by the Department of Science & Technology, Government of India, 1988. The inaugural award carried a bronze medal and a cash prize.
24. *Eklavya Award*, 1982, for suggesting the name *Chakmak* for a children's science magazine in Hindi.

INDIAN INSTITUTE OF TECHNOLOGY KANPUR (Citation)

Distinguished Alumnus Award

Arvind Kumar Gupta

Shri Arvind Kumar Gupta, after graduating from IIT Kanpur, in 1975, joined TELCO, Pune and worked there for a few years. In 1978, he took one year's study leave from TELCO to work with the grassroots village science teaching programme for children in the tribal district of Hoshangabad, Madhya Pradesh. While working in Hoshangabad, he developed many useful low-cost teaching / science teaching aids using locally available materials. The possibilities of using ordinary things for doing science and recycling modern junk into joyous products appealed immensely to children. Shri Gupta's first book "*Matchstick Models and other Science Experiments*" was translated into 13 Indian languages by various Popular Science groups and sold more than half a million copies. His science models and toys were widely featured in daily newspapers and magazines across the country. Since then he has written 10 books and translated over 45 books on science, environment and education. He has conducted science workshops for children and teachers in over twelve hundred schools across the country. Shri Arvind Gupta has presented over 70 TV programmes on science based fun activities, innovative toys and teaching aids on the national television. These films have been made by the NCERT and the UGC countrywide classroom. He was also featured as the Green Guru on the popular TV programme titled "Living on the Edge".

Shri Arvind Gupta's outstanding contribution in designing science teaching aids for young children has been recognized by several international organizations such as UNESCO, UNICEF, International Toy Research Association, Halmstad University, Boston Science Centre, MIT (Media Lab), Walt Disney Imagineering and Research, Auhof Rehabilitation Centre, Hilpolstien, Germany and the International Play Association, Finland. As a UNESCO consultant on science education, he has been invited to share his experiences in science teaching with teachers of several developing countries. He has been actively associated with the Bombay Natural History Society, Conservation Society of Delhi, Spastic Society of North India and the Bharat Gyan Vigyan Samiti. He is an advisor to the National Book Trust on popular science books. He has received several awards for his outstanding contributions. These include Eklavya Award (1982), the inaugural National Award for Science Popularisation amongst Children (1988), Hari Bhau Mote Award of the Marathi Vigyan Parishad (1988), a special award given by the National Association for the Blind for designing teaching aids for pre-school blind children (1991), Granthali award for his book

Khel (1992), Ruchi Ram Sahni Award for science popularisation (1993) and the Hari Om Ashram Award by the UGC (1995).

The Indian Institute of Technology, Kanpur is proud of the achievements of Shri Arvind Gupta. In recognition of his outstanding and seminal contributions in developing low-cost science-based teaching aids for young children and thus doing a great service to humanity at large, the Institute hereby confers upon Shri Arvind Gupta its Distinguished Alumnus Award.

Sanjeev Bhargava, Secretary, Alumni Association

V. Narsimhan, Registrar

K.A. Padmanabhan, Director

Sunday, December 31, 2000