

Innovative Learning Solutions



To empower the child to become a leader who transforms the ways of the world and turns the ear for wisdom and applies the heart for understanding

Books and Publications at R&D

R&D has to its credit, many innovative and pioneering products for the K-12 segment, principal among them being Roots to Wings™, Millennium Learning System-Level One and Millennium Learning System-Level Two. These cover the entire learning spectrum from pre-school to class 8. As an integral part of these products R&D has also created several books and publications which reflect the vision and philosophy of these products. The books and publications at one level make learning fun and interactive for children, on the other level they provide the facilitator with thousands of activities, projects and lesson plans to facilitate the teaching learning process.

Roots to Wings™ Publications

About Roots to Wings™

Roots to Wings™ is a pre-school programme developed to help educators meet the challenge of providing qualitative care in all pre/kindergarten schools in India. The programme for two to five year old children has been designed to provide research-based strategies that ensure high quality learning standards and outcomes. Roots to Wings™ programme is grounded on scientific principles of Child Development, and has been designed with the expertise and experience of professionals specializing in Early Childhood Education. The programme encompasses three basic objectives and these are based on:

- Understanding of the Learner
- Sequential Learning
- Eclectic Approach

Roots to Wings™ Products for the Teachers

At Roots to Wings™ the teachers are given a curriculum for the entire year. Following are the age groups for which the pre/kindergarten curriculum has been formulated:

- Developing Roots for children of ages 2 to 3
- Emerging Wings for children of ages 3 to 4
- Ready to Fly for children of ages 4 to 5

Lesson Plan Manuals

The Roots to Wings™ curriculum is divided into eleven months and each month has a new theme. Examples of the themes include:

- Myself
- Seasons
- Colours
- My Neighbourhood
- Shapes
- Animals
- Transport
- Plants
- Food
- People Who Help Us
- Reinforcement



Each theme is documented in the monthly lesson plan book which is a comprehensive guide for the teachers. Lesson plans cater to two hundred and fifteen working days in a year. They have been written for each level and are in the form of eleven manuals for the teacher. A total number of two thousand, six hundred and thirty five lesson plans are given for the teacher to implement in the class.

Lessons plans along with worksheets, teaching aids and formative evaluation sheets are made for every period and cover all the skill areas. Not only does the teacher know how to conduct the class in a developmental and sequential manner but is also able to evaluate the progress made by the child based on the formative evaluation scale given at the end of each class.

Festival Manual

A lesson plan manual on the commonly celebrated festivals is also a vital component of Roots to Wings™ curriculum.



Roots to Wings™ Products for the Children

Story Books

A series of colourful and easy-to-understand stories have been designed primarily for the tiny tots to encourage them to love books and develop pre-reading skills. These story books have been beautifully woven around the wide spectrum of themes incorporated in the Roots to Wings™ curriculum.



Me and My Rhymes

Me and My Rhymes are a series of melodious nursery rhymes and songs brilliantly illustrated for the young children. These series have been brought out for our three age levels-Developing Roots, Emerging Wings and Ready to Fly. The bright, fresh and colourful illustrations in the rhyme books are full of charm and animated characters that will delight the children.



Me and My Alphabet Tales



Me and My Alphabet Tales introduces the child to the wonderful world of the alphabet. It's a world, where the letters come alive and tell different tales with a cast of friendly animated characters. Colourful and fun-to-do sticker activities add an extra element of fun while learning the alphabet.



Fun at School
Set of 22 books



Fun at Home
Set of 22 books

Workbooks

Our Fun at Home and Fun at School series have been created for the older age group i.e. 3-4 and 4-5 yrs, to reinforce their learning in a fun manner. The activities in these workbooks are interlinked with our thematic curriculum, and give the children an opportunity to develop and build on early language and numeracy skills through a series of colourful and fun-to-do activities. Our Aksher Khel series are part of the Hindi workbooks specially created for the children in the age group 4-5 yrs.



अक्षर खेल Set of 4 books

Roots to Wings™ Products for the Parents

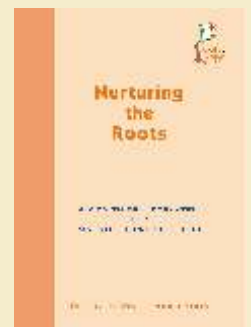
Frequently Asked Questions

In response to the many questions and concerns raised by the parents of preschoolers at Roots to Wings™ schools, a manual on Frequently Asked Questions has been published, which addresses the queries of the parents about child rearing.



Nurturing the Roots

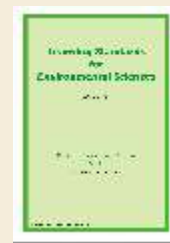
'Nurturing the Roots' is an information booklet designed for the parents of preschoolers on natural developmental pattern. The objective of the booklet is to make the parents conscious about the natural behaviour of the children at a particular age and how to respond to this behaviour.



Millennium Learning System publications

About Millennium Learning System-Level One

The Millennium Learning System-Level One is a scientifically structured and systematically designed educational system developed by a team of Educational Researchers from Educomp Solutions Ltd. The Millennium Learning System-Level One has been created to cater to the needs of the parents, educationists and most importantly the children. This integrates the NCERT educational content with the best pedagogic teaching methodologies along with mapping of this content to digital content and ensures that learning is application based at all times.



Millennium Learning System Products for Children

Textbooks

An integral part of the Millennium Learning System is our series of books for Classes I to V in all subjects. These books have been designed keeping the minimum levels of learning in mind and the content has been translated into an informal style, which is visual, fun, interactive and facilitates learning through activities and games. All these are related to the practical life of the children and are application-based.

Every lesson has an activity interwoven into the lesson so that the children, while reading, also participate actively in the class and understand the concept practically. Since these books work both as a text and as an exercise book, they ensure that the children learn a concept, apply it practically in the class or in their respective subject laboratories and then write their own comments on the activities in the same text book. To ensure that the books are easily carried to and fro by the children, the content has been divided into two



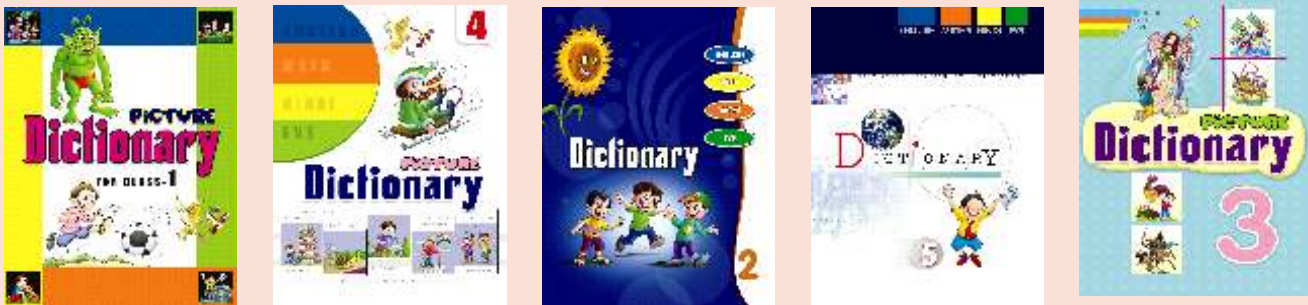
Project Files

Along with each text book, the children have a research file which is mapped to the project given at the end of each lesson, where children write their experiences in a scientific and systematic manner. This builds in them a researcher's bent of mind.



Concept Dictionaries

These books have also been mapped to a unique concept dictionary where every concept they have learnt in the entire year from their respective books is recorded and explained visually and simply.



Literature Workbooks

Literature is a purposeful attempt to inculcate the reading habits in children. Students have been provided with the various forms of literature, such as novels, plays, short stories and poetries chosen from the widest variety of rich genre of classical literature existing in the world. Books chosen cater to different reading levels varying from classes I to V.

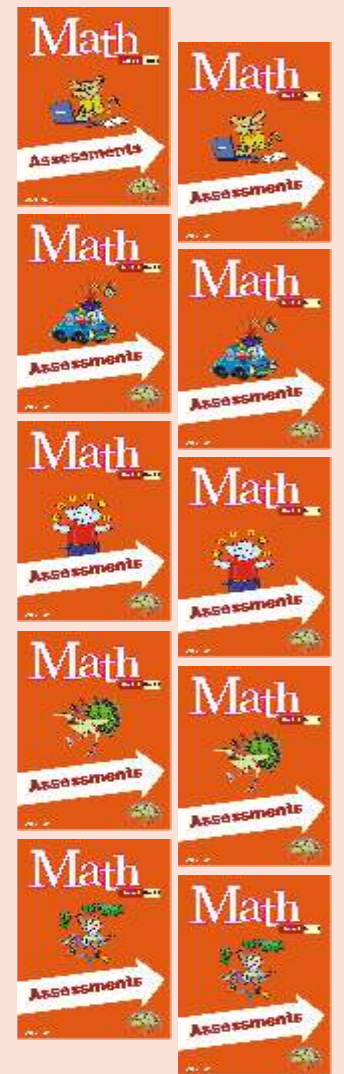
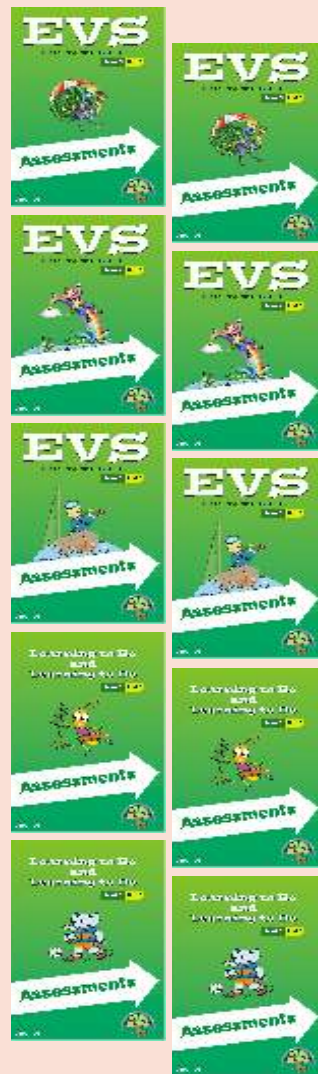
'Appreciating Literature' is a planned, systematic and fulfilled manual provided both in English and Hindi. It is designed to help children acquire various skills that each form is expected to build. It contains exercises built to enhance free expression for each story, poem, novel and drama selected for each class.

Detailed and structured teaching methodology for the facilitator has been provided in the literature lesson plans.



Assessments for the Children

A sound evaluation and assessment system has been designed to form an integral part of day-to-day learning and can be implemented during the normal course of teaching learning process to maximise students' learning. Learning milestones are a healthy blend of both formative and summative components of assessment. In order to cater to individual learning potential, three levels of worksheets - Acceptance, Balance and Challenge are planned. The assessment manual provided is appreciative and motivating rather than critical. It also includes detailed and timely feedback with remedial measures.



Millennium Learning System Products for Teachers



Lesson Plan Manuals

Lesson Plans are provided for each textbook that adhere to the basic assumption of achieving desired results from the students. The lesson plans are based on the aims/goals of the unit and what the student would be expected to be able to do by the end of the unit/chapter. Each lesson plan is coded with a number that gives the subject, class, part/unit, detailing the following sections: general objective, specific objectives, prerequisites, resource kit, the way to facilitate, instructional practice and assessment.



Millennium Learning System-Level Two Publications

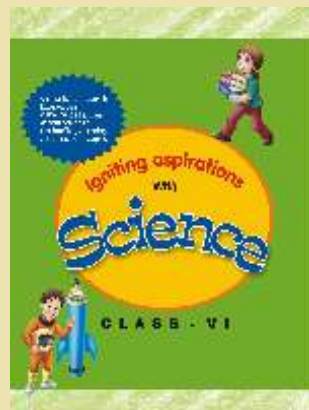
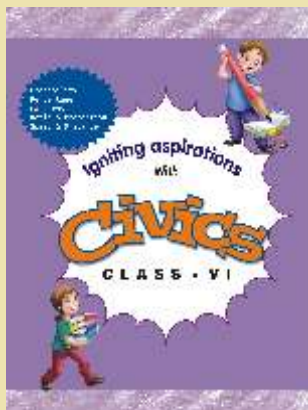
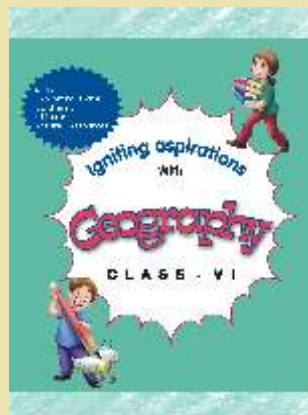
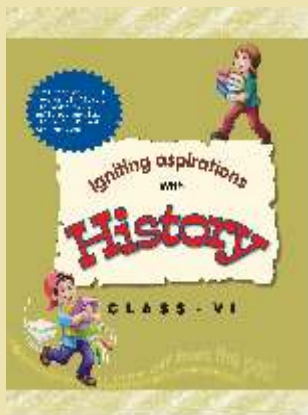
About Millennium Learning System-Level Two

The Millennium Learning System-Level Two is in continuum with the Millennium Learning System-Level One. While Millennium Learning System-Level One deals with Classes I to V, Millennium Learning System-Level Two focuses on Classes VI to VIII. The education provided within this system enables our students to become life-long learners who are equipped with the 21st century skills and are able to harness their learning to the maximum, both in personal and professional lives. Thus, our philosophy is based on the motto, "Igniting aspirations and moulding destinies".

To ensure that the needs of all stakeholders are fulfilled, Millennium Learning System-Level Two has various components linked together to form a synchronous system. One of the major components in this system is the series of concept books.

Concept books

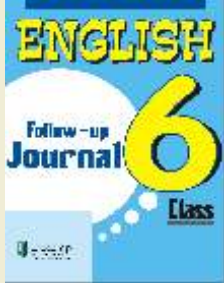
The concept books strive to bring a meaningful change in the way the curriculum is implemented in the class. The concept books are designed to integrate the NCERT educational content with a unique approach of making the subject matter meaningful for the learners in the present context as well as for the future. The learners are introduced to the topics being taught in the class in a fun-filled, unique way through a famous protagonist who gives them glimpses about a profession related to the content.





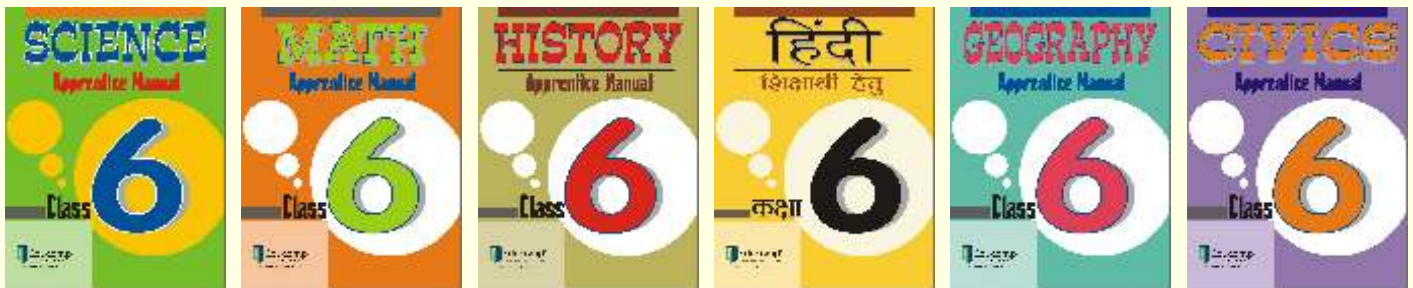
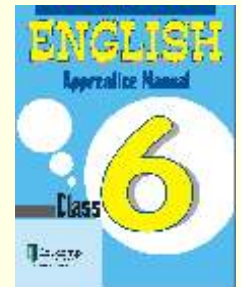
Follow-Up Journals

Another component in the Millennium Learning System-Level Two along with the series of concept books is the 'Follow-Up Journal'. As the name suggests, these are mapped to the chapters and are a follow-up of the content in the concept books. In these journals, the learners document their observations of the activities mentioned in the chapters. The space for writing answers to the questions given at the end of each chapter is also provided in the Follow-Up Journals. The documentation of the concepts by the learners is done at various levels such as Comprehension level, Application level and Consolidation level through a chapter.



Apprentice Manuals

Another important component of the Millennium Learning System-Level Two is the 'Apprentice Manual'. These manuals are mapped to the projects mentioned at the end of each chapter in the concept books. Each project is linked to a specific vocation and hence, is meant to be completed by an aspiring apprentice of the vocation to enhance the 21st century skills.



Literature Portfolios

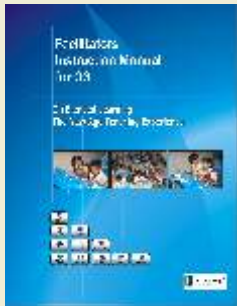
Along with grammar books on Hindi and English, the students have been provided with a literature selection of age appropriate novels, plays, short stories and poems chosen from the widest variety of the rich genre of classical literature existing in the world. The books chosen cater to different reading levels varying from classes VI to VIII.

The two literature portfolios are designed to help the learners acquire various skills that each genre is expected to build. They contain thoughtfully planned exercises built to enhance free expression through the stories, poems, novels and dramas selected for each class.



Facilitator's Handbook

These handbooks consist of instruction plans that adhere to the basic assumption of achieving desired results from the students. It is a set of guidelines meant for the facilitator that explains, in a structured way, how to go about a concept in order to meet the specific objectives. Each chapter is divided into sessions that mention the objectives, prerequisites, tools required and the names of teaching strategies, in the form of a grid. A list of these strategies along with their details is provided at the end of the handbook.



O3

CMPC helps in bringing technology inside the classroom and widening the classroom boundaries by giving each child their own personal laptop. It is the core of the One-OnOne computing projects.

O3 Facilitator's Instructional Manual, a Research Initiative of Educomp Solutions Limited helps facilitators sieve and synthesise knowledge and effectively integrate technology into their existing curricula to enhance the learning process though CMPC (Class Mate Personal Computer) The blended learning strategies discussed in the manual provides the new age teaching experience to the facilitators. Blending the traditional teaching-learning system with the latest technological innovations helps facilitators enhance learning.



Learning Hour

Learning Hour, a product of Three Brix e-services, is the largest provider of tutoring services in India. Learning Hour has a chain of tutoring centers, started after years of research into the tutoring needs of school students across India. The student course material is prepared at R & D Educomp by a team of highly qualified experts and ensures the students master concepts through suitably crafted exercises and examples, and learning by doing.

The team is engaged in creating content for around 1200 modules in various subjects for classes VIII to XII. Students are given an ample opportunity to practice through more than 10,000 questions of varying skills and complexity levels and their focus has been to create a learning system designed to equip the students for academic success.



Research and Product Development is an integral part of Educomp Solutions Limited. The division began four years ago with a focus to bring in qualitative changes in educational scenario in the K-12 segment. To ensure that it happens, the R&D team, comprising of educationists, psychologists and pedagogues, began with the focus on researching curriculum and designing products that are age-appropriate and pedagogically researched. To the team's credit today are various curriculum designs, which comprise of the entire ecosystem of the school.

Started in March 2004, a team that was small in size but huge in its vision and talent, R&D today has in its fold PhDs, MPhils, Engineers, MBAs, Post graduates, special educators, artists and illustrators.

From the pre school product Roots to Wings™ to the technology-intensive O3 programme, the products developed at R&D cover the entire spectrum for learning.

W W W . E D U C O M P . C O M



514, Udyog Vihar Phase III, Gurgaon-122001
Ph: +9112445290134
www.educomp.com