

Content Title of the Educational DVDs for the use of CALC schools

Sl.No	Title of the CD	Content List
1	APF-1- Language	<p>English :</p> <ol style="list-style-type: none">1. Deeds of courage2. Friendly Animal3. Girish weds Harini4. Journey on the Clouds5. Rickatoo greets you6. Tell a tale7. The cruel king8. Troublesome twins <p>Hindi:</p> <ol style="list-style-type: none">1. Daaku2. Giluka vivah3. Hubahu4. Khel male5. Mysore mein ek din6. Parakrami vikram7. Swatantra divas <p>Kannada:</p> <ol style="list-style-type: none">1. Aata paata2. Akshara bandi3. Janapada sampathu4. Kathe Upakate5. Mysorinalli ondu dina6. Oorige bantu circus7. Payana8. Puttuvina Madhuve9. Shaikshanika Pravasa10. Swatantra Dinacharane11. Vikramana Parakrama
2	APF-2	<p>EVS:</p> <ol style="list-style-type: none">1. A day with maya2. Citizenship3. Latitude and Longitude4. Magic potion-15. Magic potion-26. Shambus green friends7. The story of a seed8. Chhoo mantar9. Chhoo mantar returns10. Earthy worthy11. Local self-government12. Motis lesion on safety13. The magic of light14. Vikram and bethal15. In the jungle16. On battle field with wbc17. The mystery of shadow

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		General Science: <ol style="list-style-type: none"> 1. A dream come true 2. Cave and hidden treasure 3. Robbery at science museum 4. The joy of duty 5. Building science museum 6. Mansion and measurement 7. The bean chronicle English 8. Trip to village fair 9. Buzz and boond 10. Prince and his brave friends 11. The bean chronicle kannada
		Social Science: <ol style="list-style-type: none"> 1. India and her neighbors 2. Rivers of India 3. Weather and climate 4. Weather and climate-Uttarkhand 5. Africa
		Co-Curricular: <ol style="list-style-type: none"> 1. Eye care 2. Managing small business 3. Fan 4. How things works - computers 5. How things works - Telephone 6. How things works – Television 7. Solar system 8. Know your vitamins
3	APF-3	Mathematics: <ol style="list-style-type: none"> 1. A day with kadooji 2. Adventure –LCM & LCF 3. Angle Tangle 4. Average 5. Brain storm 6. Chatur char 7. Children day out 8. Children’s day 9. Children’s day1 10. Division 11. Eco day 12. Fractions 13. Fun with Chinchoo 14. Grandpas Journal 15. Magic Box 16. Magic Marbles 17. Mitu the smart guide 18. Mixing Fixing 19. Nature Adventure 20. Out dream school 21. Perimeter 22. Place Value

		<ul style="list-style-type: none"> 23. Profit and Loss 24. Rainbow toys 25. Ravi's dream 26. Ravi's dream 27. Rikki's Adventure 28. The dream boat 29. Trip to Kolkata 30. Visit to an orchard
4	EDC & DSERT-1	<p>Science</p> <ul style="list-style-type: none"> 1. Blood circulation – class-6 2. Bones and Muscles – class-6 3. Day and Night – class 4-5 4. Digestive system – class-6 5. Digestive system – class- 4-5 6. Earth – class-4-5 7. First Aid-1– class-4-5 8. First Aid-2– class-4-5 9. Force 1 - class-4-5 10. Force 2 - class-4-5 11. Keetagalu 1 - class-4-5 12. Keetagalu 2 - class-4-5 13. Levers – class -4-5 14. Light - class -4-5 15. Moon- class -4-5 16. Nela Jala Gaali class -4-5 17. Nervous system - class -4-5 18. Photosynthesis – class-6 19. Respiration – class 6 20. Water – class 4-5 21. Wind – class-4-5
5	EDC & DSERT-2	<p>Social Science:</p> <ul style="list-style-type: none"> 1. Gommata Thorida Jaina Darshana – class 4-5 2. Jaataka Kathe Heluva Buddha Charite – class 4-5 3. Kadala Daarigalu Kanisuva Itihaasa – class 4-5 4. Shasana Saaruva Itihaasa – class 4-5 5. Shilpa Nudiyuva Itihaasa 6. Vaaniya Vahiyalli Itihaasa – class 4-5 7. Vachana Odina Itihaasa – class 4-5
		<p>Mathmatics:</p> <ul style="list-style-type: none"> 1. Bhinnaraashi and Dashamamsha-class 4-5 2. Enikeya Aata – class 4-5 3. Gunakaara – class -4-5 4. Kaleyuvudannu kali-class 4-5 5. Koodona Baa – class 4-5 6. LCM and HCF – class 4-5 7. Niranthara Ganita – class 4-5 8. Place Value – class 4-5 9. Sari Sarasari – class 4-5

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6	Group Teaching Learning (GTL)	<ol style="list-style-type: none"> 1. Fun with Geometry 2. Pranigala Anweshana Kalika Aata 3. Hygiene and Sanitation Learning Game 4. What is Disease – Learning Game 5. Parisara Vyavaste Mattu Vasastana 6. Physics in Action
7	Life Skill – Balona Banni	<ol style="list-style-type: none"> 1. Episode1: Introduction 2. Episode2: Time Management 3. Episode3: Negotiation 4. Episode4: Vision 5. Episode5: Goal Setting 6. Episode6: Values & Beliefs 7. Episode7: Gender Sensitivity 8. Episode8: Holistic Health 9. Episode9: Communication 10. Episode10: Last Episode
8	EDC	Cells: Kannada Video Series <ol style="list-style-type: none"> 1. Building Blocks 2. Parts of the cell 3. Understanding the functions of cell membrane 4. Experiments with cell membrane 5. Working together.. Cells, Tissues and Organs
9	EDC	Food: Kannada Video Series <ol style="list-style-type: none"> 1. Food as the source of energy 2. I am what I eat 3. Exploring connections: Food, culture and Traditions
10	EDC	Force & Motion: Kannada Video Series <ol style="list-style-type: none"> 1. Types of forces 2. Newton’s laws of motion 3. Exploring connections: simple and complex machines
11	EDC	The Magic of Numbers: Kannada Video Series <ol style="list-style-type: none"> 1. Numbers in everyday life 2. All about fractions 3. Exponents and square roots
12	EDC	Seeing the Light!: Kannada Video Series <ol style="list-style-type: none"> 1. Discovering shadows 2. Bouncing light with reflections 3. Bending light with refraction 4. A world of colours 5. How our eyes work 6. Optical Illusions 7. Experiencing optical illusions
13	EDC	Cells: Kannada Audio Series <ol style="list-style-type: none"> 1. Cell structures 2. Types and parts of cells 3. Understanding the purpose and functions of organelles 4. Cell organelles and their functions (Part 1) 5. Cell organelles and their functions (Part 2)
		Food: Kannada Audio Series <ol style="list-style-type: none"> 1. Exploring food as a source of energy

		<ol style="list-style-type: none"> 2. I am what I eat 3. Constructing a balanced diet 4. Me and my health
		<p>Force & Motion: Kannada Audio Series</p> <ol style="list-style-type: none"> 1. Relationship between distance, speed, time, velocity and acceleration 2. Exploring types of motion 3. Exploring connections: simple and complex machines
		<p>Geometry: Kannada Audio Series</p> <ol style="list-style-type: none"> 1. Understanding angles and their properties 2. Constructing triangles 3. Properties of circles
		<p>Light: Kannada Audio Series</p> <ol style="list-style-type: none"> 1. Overview of light and its properties 2. Exploring light phenomena: reflection and absorption 3. Exploring light phenomena: reflection and refraction
		<p>Numbers: Kannada Audio Series</p> <ol style="list-style-type: none"> 1. Positive and negative numbers 2. Exploring the commutative property (addition and multiplication) 3. Understanding and applying fractions 4. Understanding and applying decimals

Teachers are using these teaching learning materials in CALC schools while teaching their subjects accordingly.

Multimedia Package:

The multimedia kit is aimed at higher primary schools targeting classes 6 to 8th. It aims at improving the learning gains in students as well improving the classroom transaction of teachers. The decision was made to design audio (cassettes or CDs) and video (cassettes or DVDs) materials that would be used off the air and supported by print guides. The off-air mode allows for pauses and repetitions while at the same not saturating the airwaves.

The three areas for professional development identified while designing the module are: Facilitation skills, collaborative learning, and questioning skills.

Each module is divided into 3 to 4 parts. The actual recording of each audio part is about 20 to 25 minutes excluding the pauses. Since the programmes are done off air, teachers have the liberty to get the pause time required to do the activity depending on the condition of the class. The segments in the audio are designed in such a way that each segment compliments the other and at the same time stands alone. This provides the freedom for the teacher to choose what they need for their class.

To help the teachers to implement both audio and video programmes effectively, a teacher guide is provided in the kit. This guide includes the activities of the audio programme titled 'Topic over view' additional resources related to the module titled 'Extending Ideas', Student project page and student work sheet.

Group Teaching and Learning Software (GTL)

GTL embraces a whole class or group learning environment on a single computer; supports the teacher; and integrates various pedagogical approaches such as games and competition, peer-to-peer cooperative learning, group discussion, familiar characters and songs, and locally stylized animation and audio samples.

The GTL intervention shows that computer technology can produce learning gains and increase motivation if it is compatible with and emerges from the environments and current conditions in which students live and learn. The GTL method of using multimedia technology in a group attempts to build bridges and create simple ways to maximize the effectiveness of technology, to leverage proven pedagogical strategies, and customize to the environment joyful interactive learning.

Educational-content development during 2012-13

Karnataka State has revised the curriculum on the basis of NCF-2005 in 2011-12 and prepared revised text books in phased manner. The text book society of Karnataka printed 5th and 8th standard text books for the year 2011-12. Teachers and students are using in classes.

Accordingly, the DSERT has taken steps to identify the hard spots in the revised curriculum. For this a Technical Advisory Board has been constituted by the government chaired by a well-known literature and poet along with other expert members from AIR, Information Department, Art and culture.

The DSERT has marked 50 Tele lessons of V and VIII std on each subject for 05 subjects. The DSERT is being developing e-content to CALC classes. Accordingly the plan of action is submitted as under:

- The e-content contains on 05 subjects each 05 lessons in one DVD for V standard and 5 DVD for VIII for each CALC school.
- E-content DVD will be prepared and supplied by the expert selected film makers by the end of March 2013.
- E-content telefilms will have good resolution, clarity, subject content and activities through animations.
- Conducting workshops for CALC schools head teacher, BRC, BRP and CRPs on these hard spots.
