सूचना प्रौद्योगिकी :
हिंदी शिक्षण का भविष्य

बैठका प्रणाली में हिन्दी शिक्षण:
चुनौतियाँ & संभावनाएँ

हिंदी प्रचारिणी सभा

संगोष्ठी/कार्यशाला

28 Jan 2018

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Senior Lecturer, MGI

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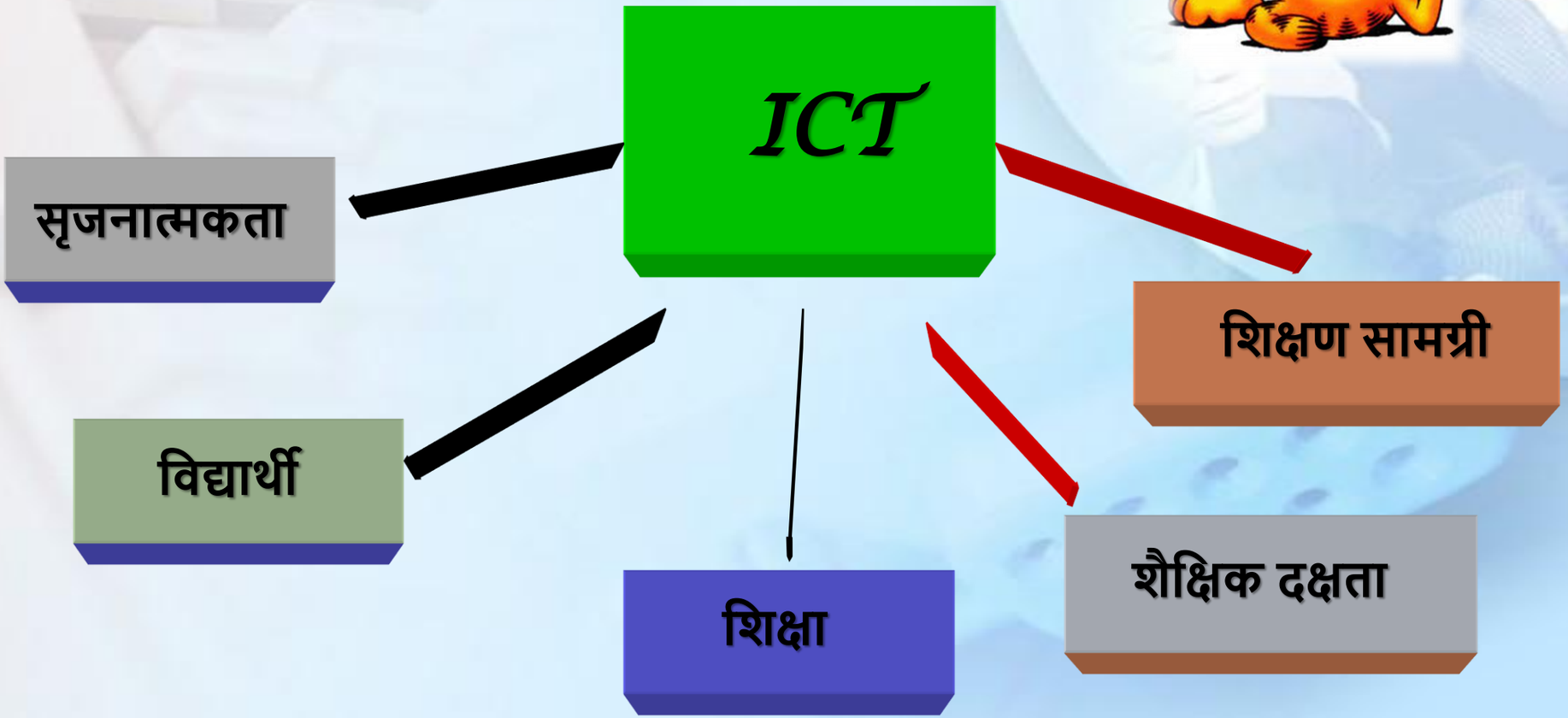
57669740

Introduction - प्रस्तावना

- सूचना प्रौद्योगिकी एवं शिक्षण अधिगम: भूमिका
- २१वीं सदी का अध्येता (& कक्षा)
- उपकरण (शिक्षण): संकोरे
- शिक्षण अधिगम में मल्टीमीडिया: निर्मित संसाधन
- उपलब्ध संसाधन व अन्य संसाधन – MGI
- मुक्त शैक्षणिक संसाधन & उपकरण
- प्रवेशिका / परिचय / प्रथमा / मध्यमा / उत्तमा पाठ्यक्रमों का शिक्षण

सूचना प्रौद्योगिकी & शिक्षण



21ST-CENTURY COLLEGE AND CAREER SKILLS

Colleges and employers are seeking people to solve the problems of tomorrow. Here are **3 TOP SKILLS** students will need for college and career success in the 21st century:

INNOVATIVE PROBLEM SOLVERS

Investigating real-world problems and finding creative ways to solve them

INVESTIGATIVE EXPLORERS

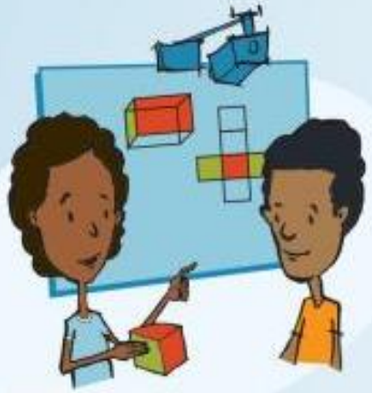
Developing research skills and using technology to find solutions

CREATIVE COMMUNICATORS

Exploring different points of view and using evidence to support and express ideas

VERSATILE READERS

Learning about the world with challenging fiction and nonfiction texts



VIDEO:

THE FUTURE

STARTS

NOW!!!

ADAPTIVE PROBLEM SOLVING

Versatile individuals who approach problems in creative ways

COLLABORATIVE COMMUNICATION

Global thinkers who express themselves effectively and work with people all over the world

DIGITAL FLUENCY

Tech-savvy workers who use technical and digital media skills in their everyday work

COMPONENTS OF A

21st Century Classroom

21वीं सदी की कक्षा ...

Technology is undeniably changing the face of education, and it's easy to see the impact already. Imagine what classrooms will be like in 20 years with the speed of technological innovation. Learn more about some of the key advancements in the 21st century classroom.

of teachers have computers in their classroom...

...but just 1 in 5 feel their classrooms have the right level of technology

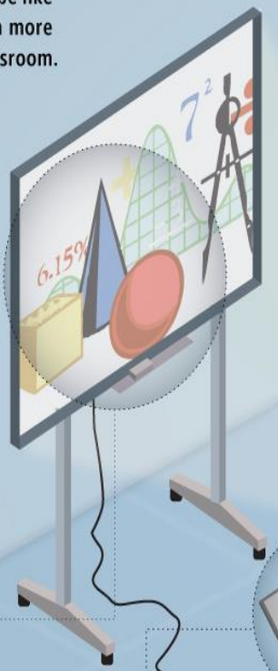
INCREASING THE PRESENCE OF THE FOLLOWING TECHNOLOGIES COULD CHANGE THAT RATIO DRASTICALLY

Learning Analytics

Help teachers assess top concerns and achievements related to their students

Registration for the Learning Analytics and Knowledge conference doubled between 2011 and 2012

One system claims to predict whether a student's likelihood of sufficient course completion with about 70% accuracy, highlighting risk factors for individual students



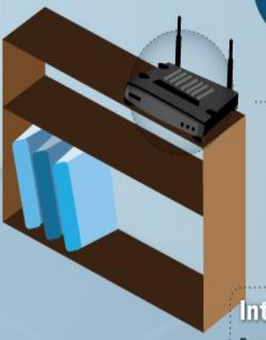
81% of teachers believe tablets enrich classroom learning

Open Source Textbooks

In the next decade, open source textbooks are expected to grow to 25% of the textbook market

By 2013, e-textbooks may comprise 11% of textbook revenue

6 in 10 students have used a digital textbook
- just 4 in 10 had in 2011 -



Top 3 Reasons for Teachers to Use Technology in the Classroom

Adapt to diverse learning styles

Boost student motivation

Enhance the material being taught

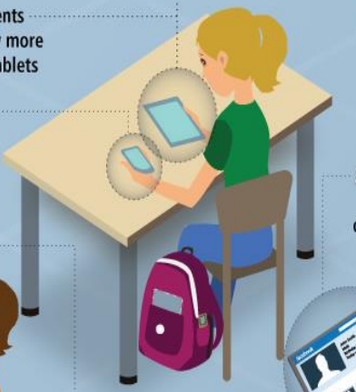
Over 51% of colleges cited wireless upgrades as their tech priority in 2011-12 given the **60% increase** in mobile devices on campus in the previous year

Real World Education

Project-based learning (PBL) teaches concepts, but also organization, articulation, project management and collaboration

Integrating life skills into education can improve student engagement and retention and prepare them for 21st century careers

1 in 5 students have used a mobile app to keep their coursework organized



29% of teachers use social media for coursework, compared to now 80% of college professors

Integration of Social Networks

Engaging students with a free tool they already use can help them learn in new ways, gain focus and increase participation

One social media pilot program assisted in a class' 50% rise in grades

4 in 10 students believe integrating social networks into the classroom would benefit their education

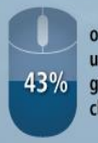
Online Courses

Almost a third of all college students take at least one online course

Online enrollments saw 21% growth while overall higher education student population only saw 2% growth

Over 65% of education institutions count online learning as critical for long-term educational success

Games and Gamification



of teachers have used online games in the classroom

In one study, games raised average test scores:

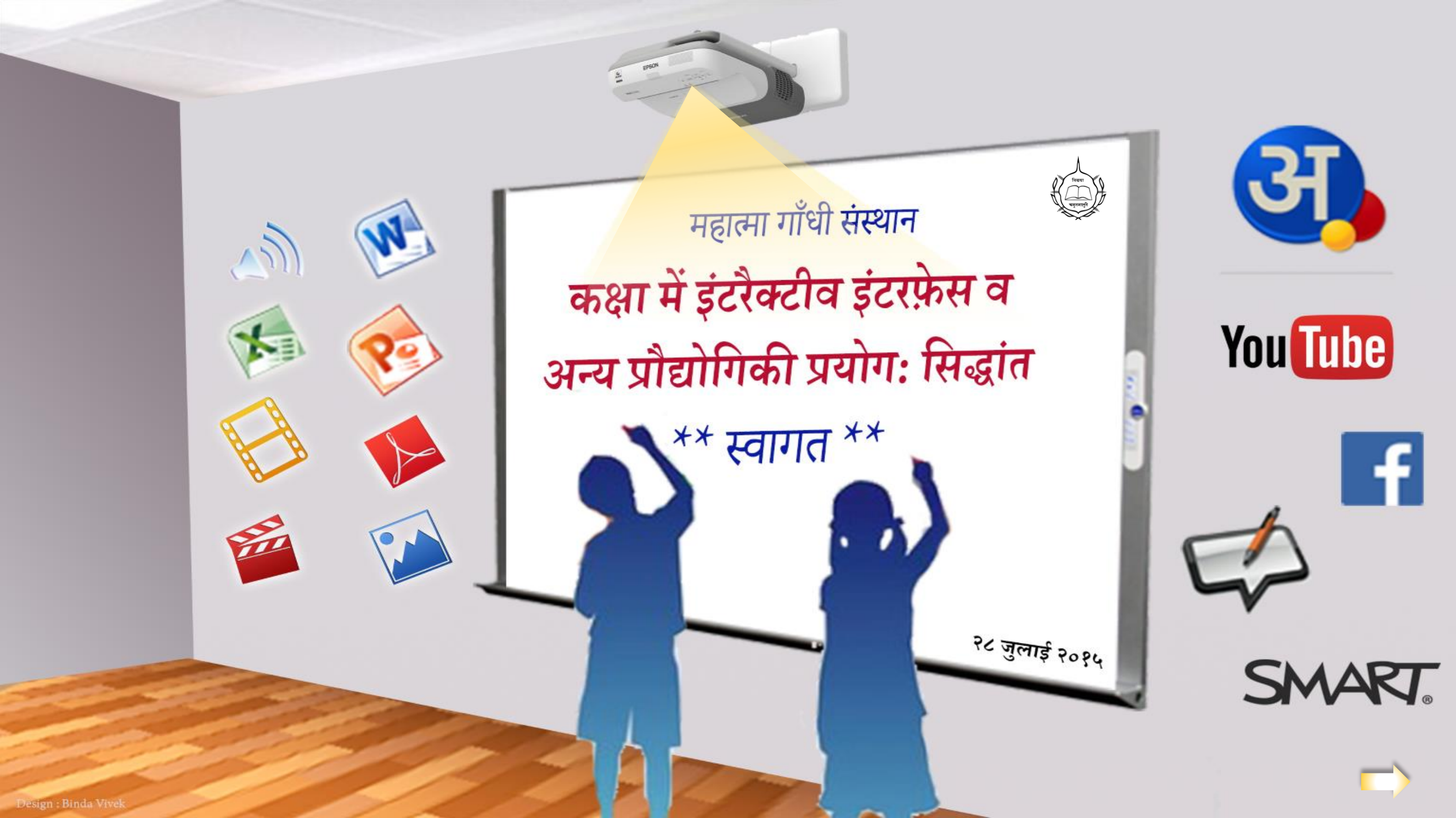
91.5% With the use of digital games

79.1% Without the use of digital games

59% of students would like to use their own mobile devices to enhance learning

Sources: http://www.pbs.org/about/news/archive/2012/teacher-survey-fetc/ • http://www.pearsonfoundation.org/downloads/PF_Tablet_Survey_Summary_2012.pdf • http://www.nytimes.com/2011/11/24/world/americas/schoolwork-gets-swept-up-in-rush-to-go-digital.html?pagewanted=all • http://techcrunch.com/2012/02/18/open-source-textbooks/ • http://www.prweb.com/releases/2011/8/prweb8708680.htm • http://pearsonfoundation.org/downloads/PF_Tablet_Survey_Summary.pdf • http://edtechdigest.wordpress.com/2011/10/18/trends-survey-says-wireless-networks-expand-for-mobile-growth/ • http://patrickdunn.squarespace.com/storage/blunt_game_studies.pdf • http://sloanconsortium.org/publications/survey/going_distance_2011 • http://mashable.com/2010/09/29/social-media-in-school/ • http://www.babson.edu/Academics/centers/blank-center/global-research/Pages/babson-survey-research-group.aspx • http://www.tomorrow.org/speakup/pdfs/SU11_PersonalizedLearning_Students.pdf • http://www.scholastic.com/browse/article.jsp?id=3751748 • http://thedailysentinel.com/news/article_db83f0c0-4c10-11e1-8269-001871e3ce6c.html • http://www.bie.org/research/study/experimental_study_of_bie_project_based_economics_units • http://solaresearch.org/OpenLearningAnalytics.pdf • http://learninganalytics.net/LAK_12_keynote_Siemens.pdf

Open Colleges


महात्मा गाँधी संस्थान
कक्षा में इंटरैक्टीव इंटरफ़ेस व
अन्य प्रौद्योगिकी प्रयोग: सिद्धांत
** स्वागत **
२८ जुलाई २०१५
YouTube
SMART
Design : Binda Vivek

नवीनतम अधिगम संस्कृति का उद्भव

प्राथमिक स्तर पर: साँकोरे परियोजना (कक्षा की डिजिटलाइज़ेशन की अवधारणा)

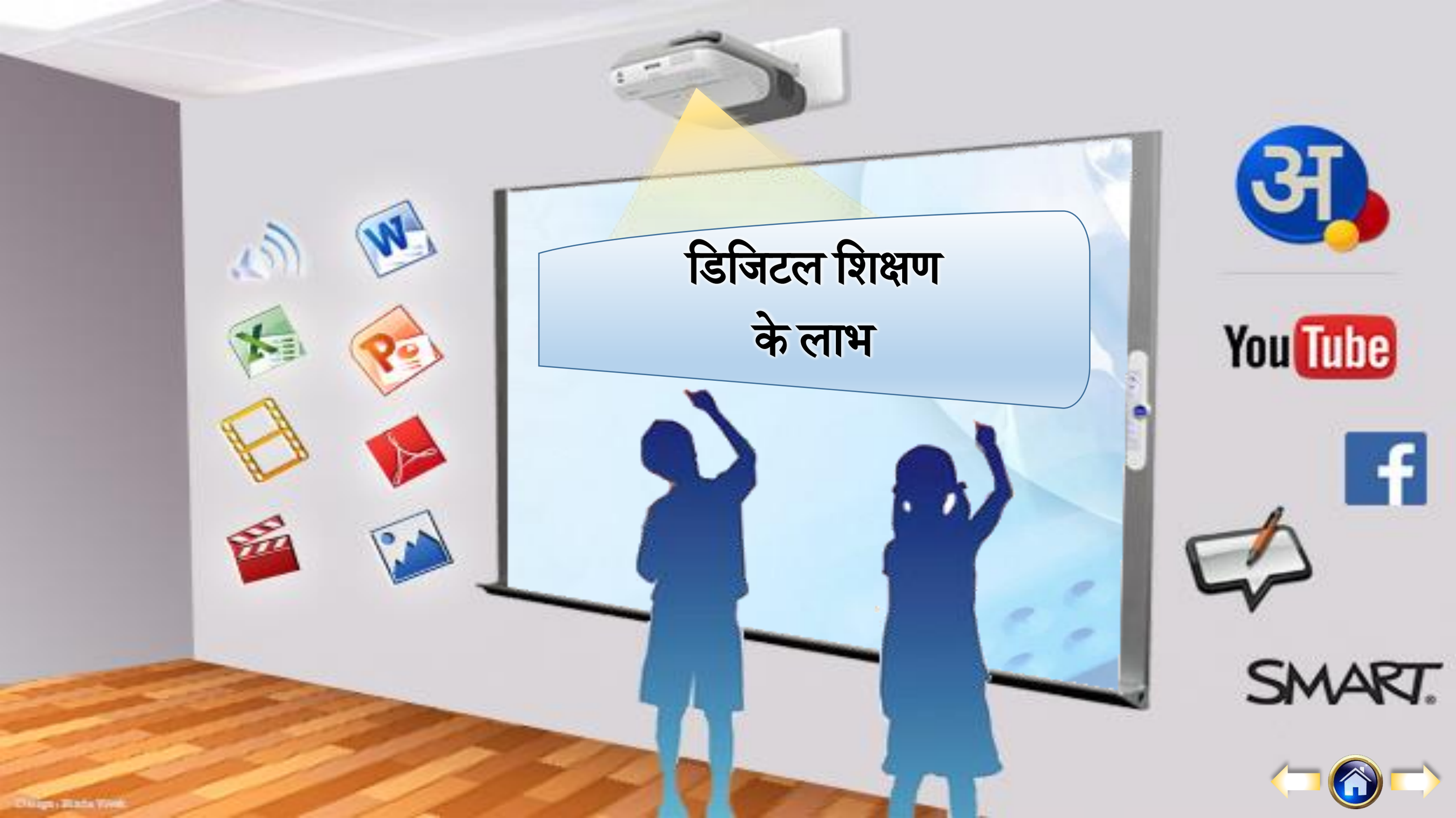
माध्यमिक स्तर पर: डेटा लॉगिंग परियोजना टाब्लेट पी.सी परियोजना

अब : नव वर्षों की स्कूलिंग परियोजना का आविर्भाव

उद्देश्य

VIDEO:
कैसा शिक्षक बनना है?
मशीन
या
मानव?

शिक्षक तथा शिक्षा क्षेत्र के साझेदारों को नवीनतम उपकरणों के निर्माण, प्रयोग एवं प्रचार के द्वारा शिक्षण अधिगम को सरल बनाना।


डिजिटल शिक्षण
के लाभ
YouTube
SMART

पाठशालाओं को इक्कीसवीं सदी के तकनीकों की सुविधा प्रदान करना

Interactive whiteboard

Video conference system

Slate/Tablet

Student response system

PC

Projector

Digital TV

Digital recorder

SMART®

शिक्षण व्यवस्था में विविधता लाना

(पुस्तकीय ज्ञान से इतर कार्य करना)

Interactive whiteboard

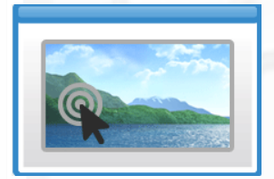
Video conference system

Slate/Tablet

Student response system

PC

Projector



Digital TV

Digital recorder

भिन्न दृश्य-श्रव्य उपकरणों के माध्यम से शिक्षक को सशक्त बनाना

शिक्षण विधि को सुगम बनाकर अधिगम-दक्षता लाना

ICT केंद्रित वातावरण के सम्पर्क में आना

राष्ट्रीय पाठ्यक्रम रूपरेखा

NATIONAL CURRICULUM FRAMEWORK

NATIONAL CURRICULUM FRAMEWORK

Primary C. F:

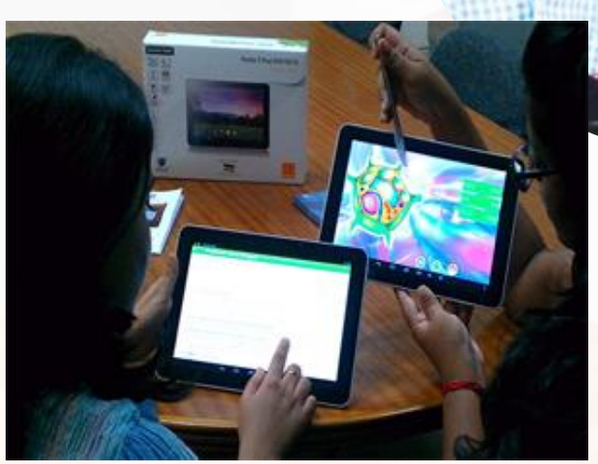
Embedding ICT to improve the quality of Teaching and Learning.

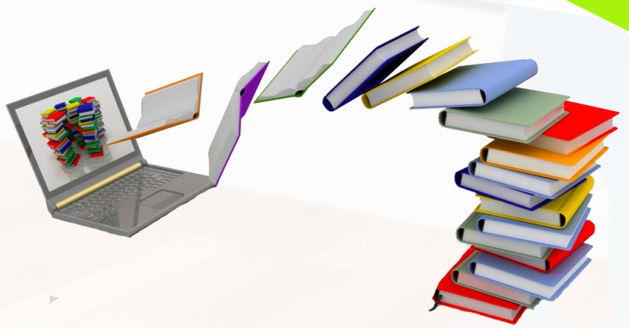
"In an audio visual, technology-rich environment, teaching and learning should take advantage of the benefits of technology, in particular ICT in enhancing the quality of teaching and learning. *(PCF, Pg 10)*

शिक्षण अधिगम को दृश्य-श्रव्य परिवेश तथा प्रौद्योगिकी समृद्ध वातावरण से लाभांवित होना चाहिए, विशेष रूप से ICT द्वारा शिक्षण-अधिगम में गुणात्मक वृद्धि लाने की चेष्टा की जाए।

राष्ट्रीय पाठ्यक्रम रूपरेखा : प्राथमिक स्तर पर शिक्षा-अधिगम में गुणात्मक सुधार लाना।

OVERARCHING LEARNING OUTCOMES
(OLOS, 1.4.1) (अधिगम फल)





"Students understand, use and adapt technologies and ICT Tools confidently to meet their needs."

"छात्र आत्मविश्वास सहित अपनी ज़रूरतों की पूर्ति हेतु ICT के उपकरणों एवं तकनीकों की समझ रखते हुए उनका प्रयोग करें एवं नवीनता लाएँ।"

शिक्षण अधिगम प्रक्रिया
में प्रयुक्त उपकरण
YouTube
SMART

प्राचीनकाल: गुरुकुल की अवधारणा

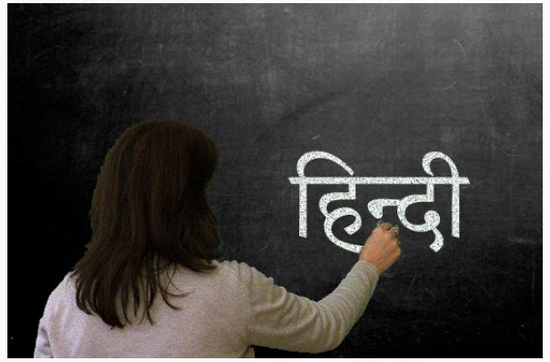
गुरुकुल

गुरुकुल

आधुनिक परिप्रेक्ष्य : समाज में मनुष्य द्वारा नए उपकरण का प्रयोग

पारम्परिक विधि

(खड़ी, श्यामपट)



श्वेतपट

डिजिटल उपकरण

इंटरैक्टिव श्वेतपट

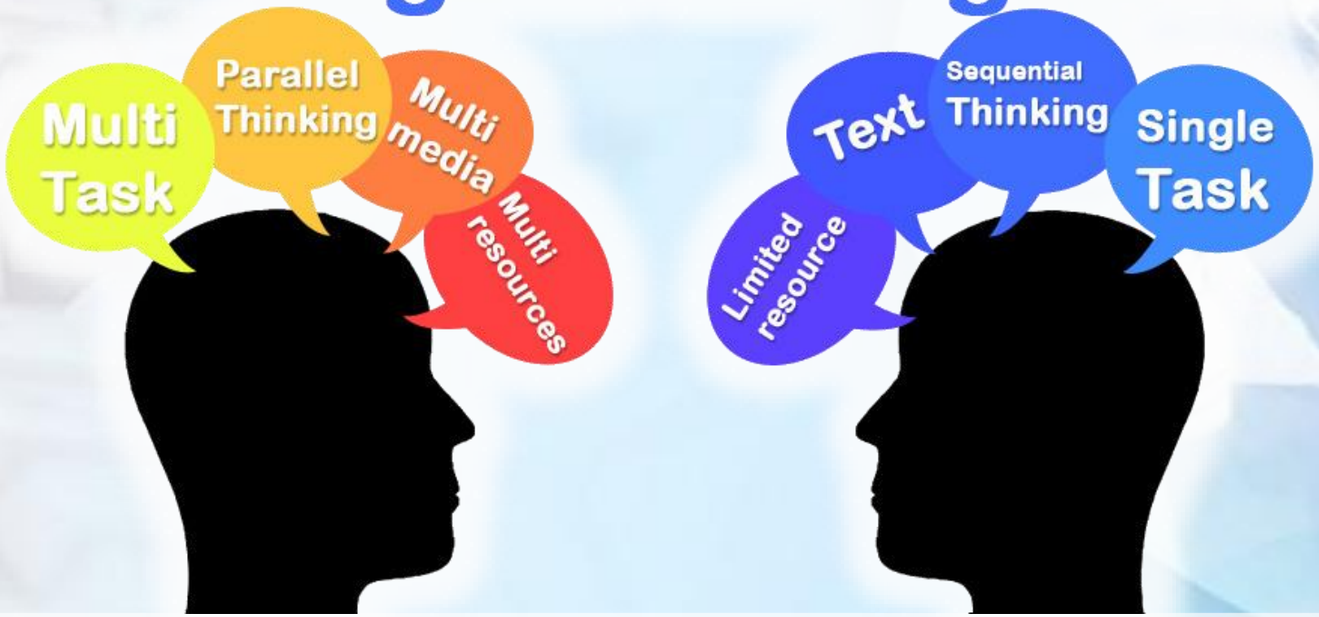
लैपटॉप

मोबाइल

टेबलेट पी.सी

Digital Native

Digital Immigrants



"We are digital immigrants.....in a transition period.... creating digital contents for digital natives. We are moving slowly towards a one-to one technology....."

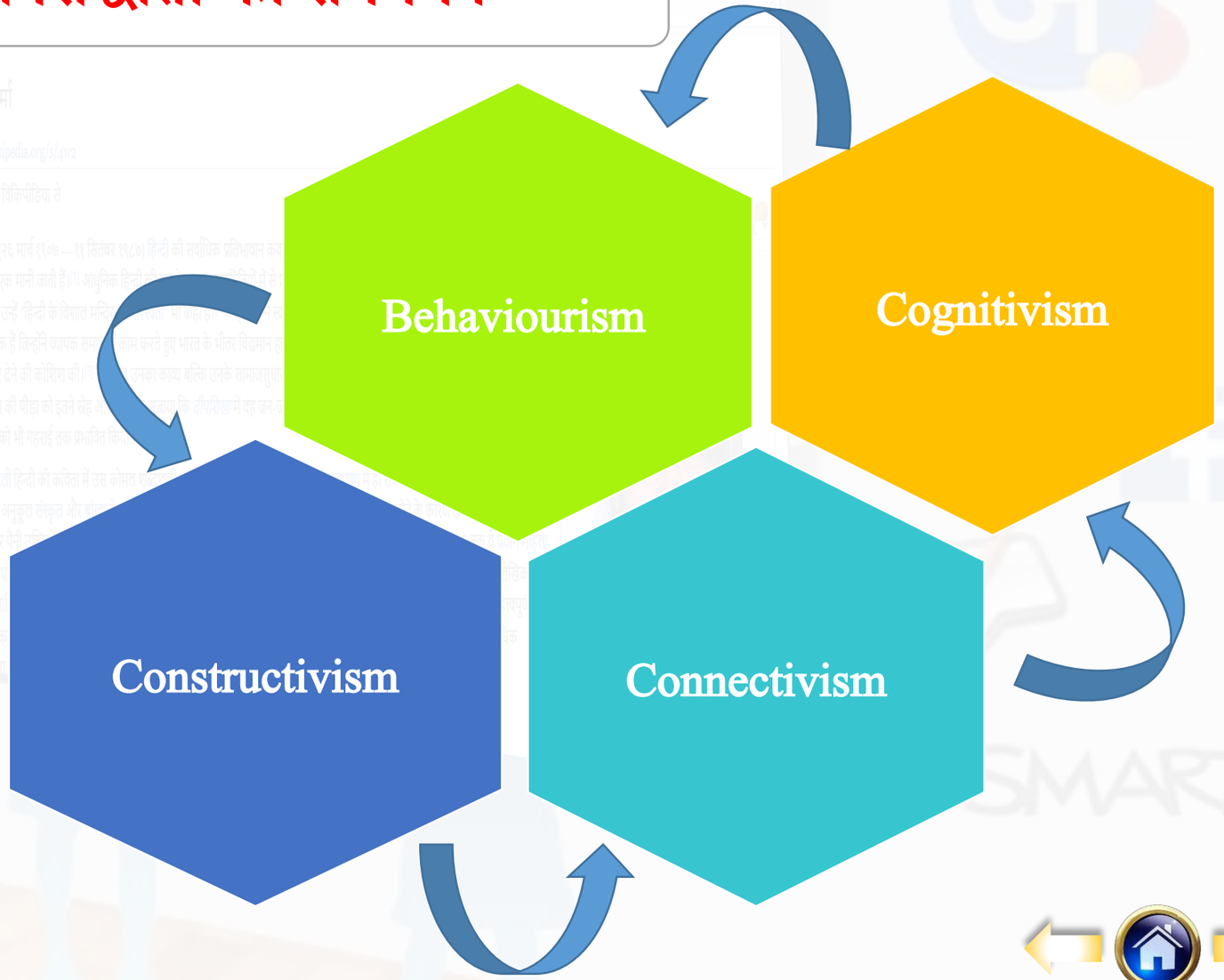
अधिगम के सिद्धांत
अ
YouTube
SMART

अधिगम के सिद्धांत

- Behaviourism
- Cognitivism
- Constructivism
- Connectivism

इंटरैक्टीव इंटरफ़ेस का महत्त्व

चारों सिद्धांतों का समंवयन



इंटरैक्टीव इंटरफ़ेस का महत्त्व

छात्रों का कौशल-विकास

शैक्षिक संस्थाओं द्वारा
इंटरैक्टीव इंटरफ़ेस का प्रयोग
YouTube
SMART

इंटरैक्टीव इंटरफ़ेस का महत्त्व

Software Features

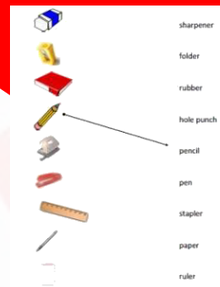
- Use of Open-Sankoré Software available from
- http://open-sankore.org/
- Open-Source Software

  Use of version 2.3 in Primary Schools
- Use of Laptop or desktop PC to interact with whiteboard

  Epson Interactive whiteboard Driver Software (after connection through USB *(in My Computer Section)*

अभ्यास कार्यों में प्रयुक्त इंटरेक्टीविटी के प्रकार

Matching



Hot Spot

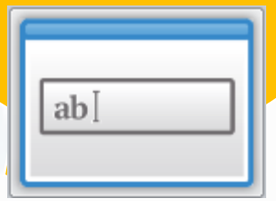
MouseOver

Mouse Click

Flipbook/ Videos

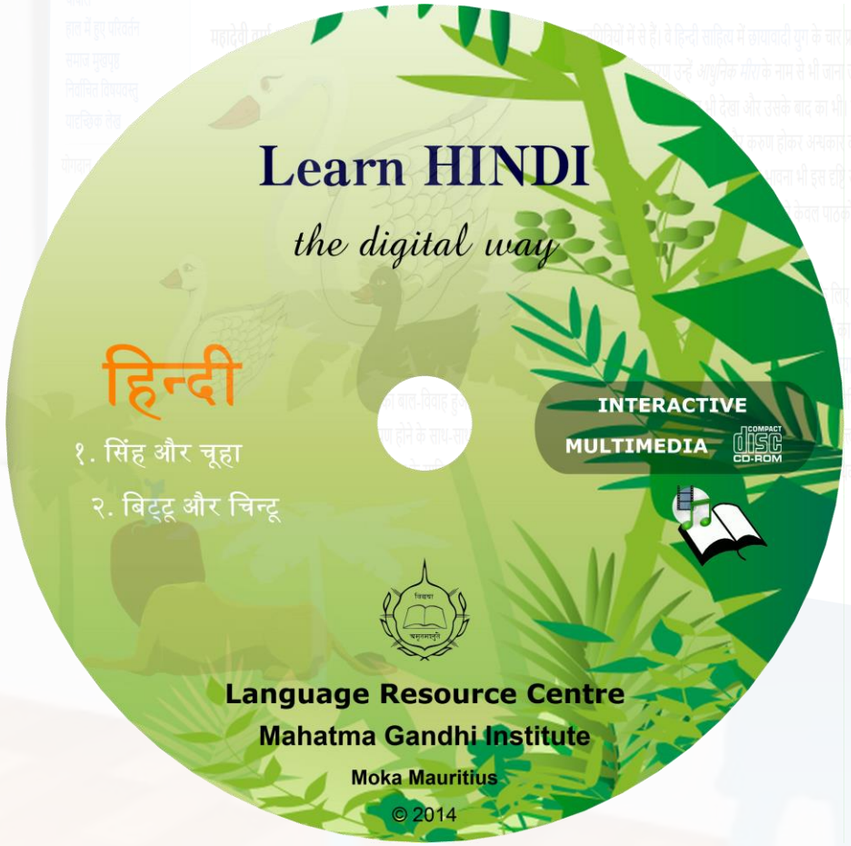
Drag and Drop

Fill in the Blanks



अभ्यास कार्यों में प्रयुक्त इंटरेक्टीविटी के प्रकार

भाषा संसाधन केंद्र (LRC) द्वारा Multimedia Cd माध्यम से देखते हैं :-



Multimedia DVDs

Learn Hindi – *The Digital Way*

PLAY

Learn Hindi – The Digital Way

अभ्यास कार्य

सही उत्तर पहचानिए
Choose the right answer

१. इस कहानी में कितने जानवर हैं ?

तीन

एक

पाँच

चार

Choose another exercise

Multimedia DVDs

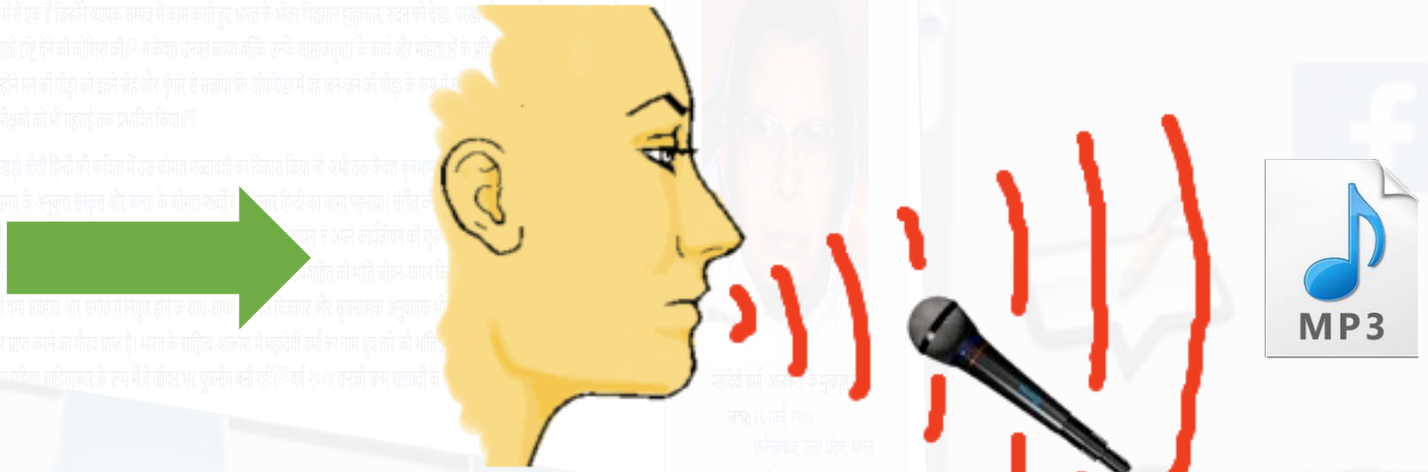
Learn Hindi – *The Digital Way*

PLAY

साँकोरे हेतु सामग्री
निर्माण
YouTube
SMART

साँकौरे हेतु सामग्री निर्माण

लिखित पाठ्य-सामग्री को **मौखिक** रूप प्रदान करना



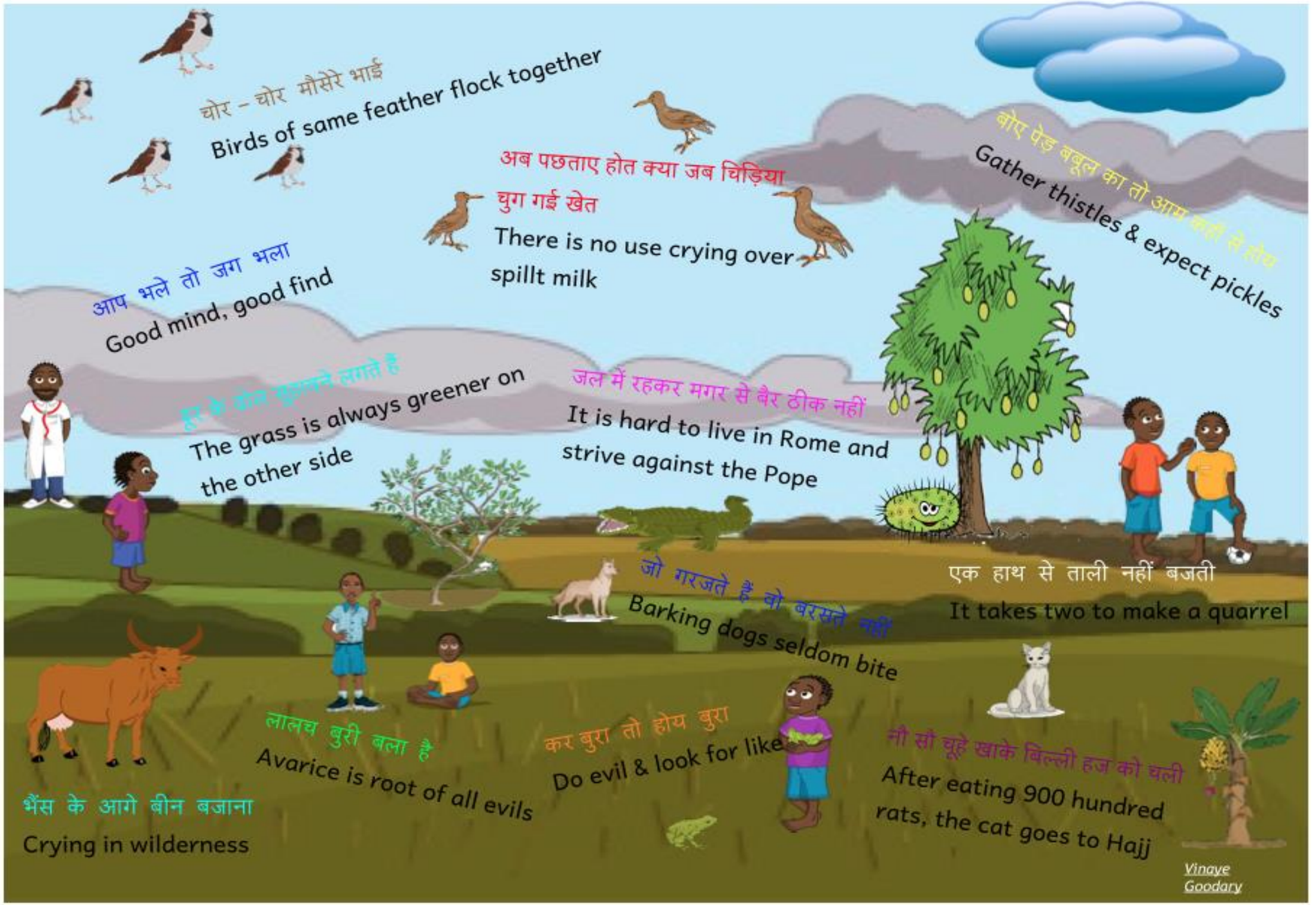
साँकौरे हेतु सामग्री निर्माण

पाठ : बाज़ार

यह बाज़ार है।

OERs on Sankore

मुक्त शैक्षणिक संसाधन

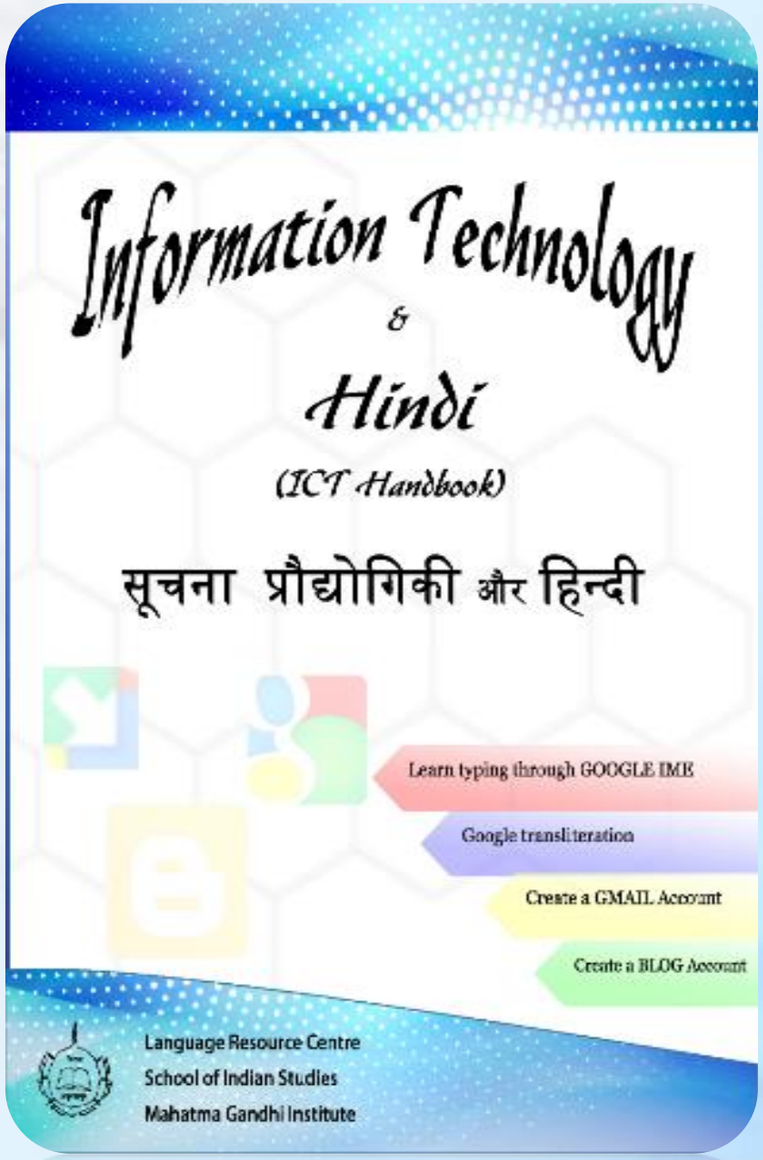


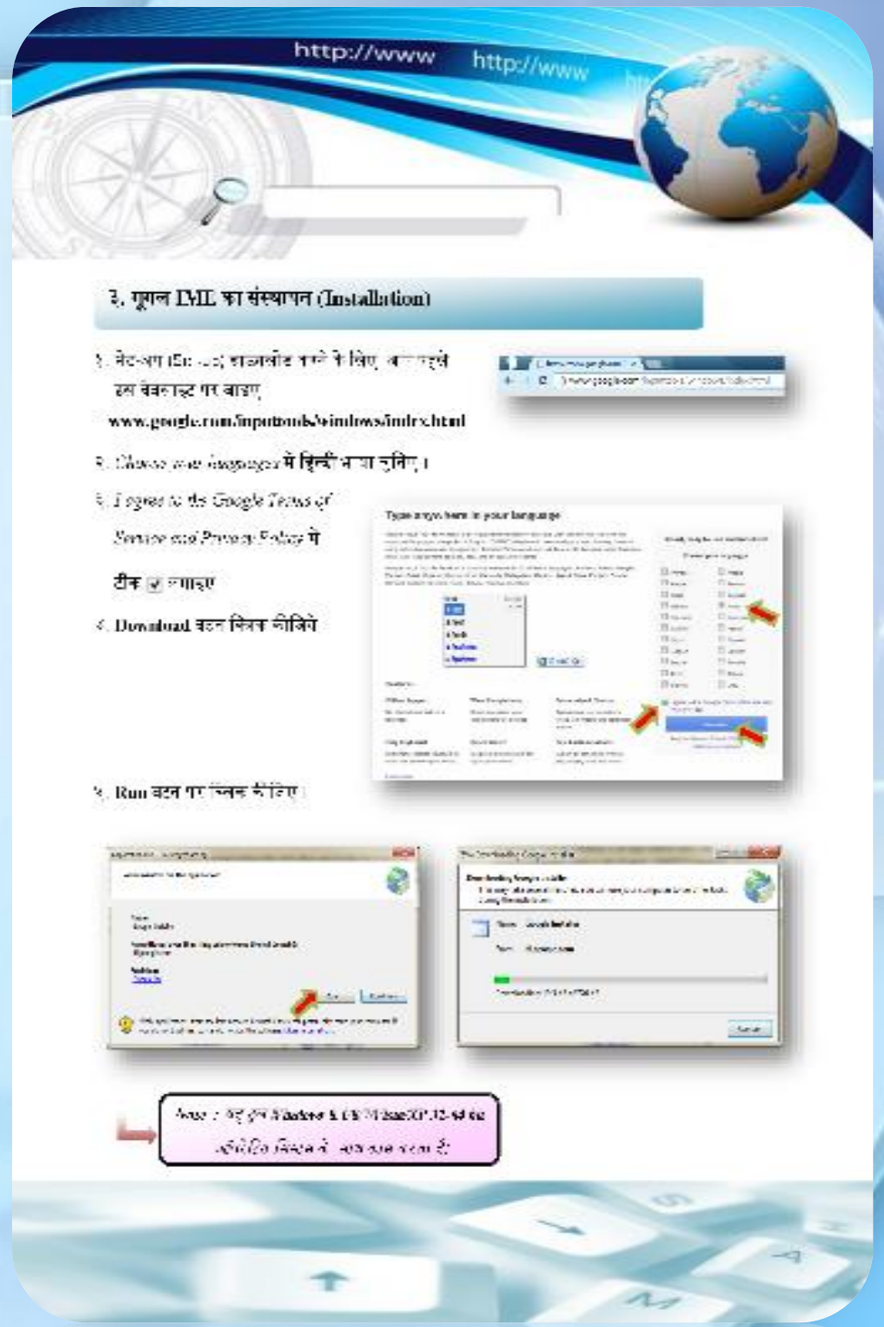
ICT Handbook in Hindi

DEMO PLAY

PDF File

ICT Handbook in Asian Languages

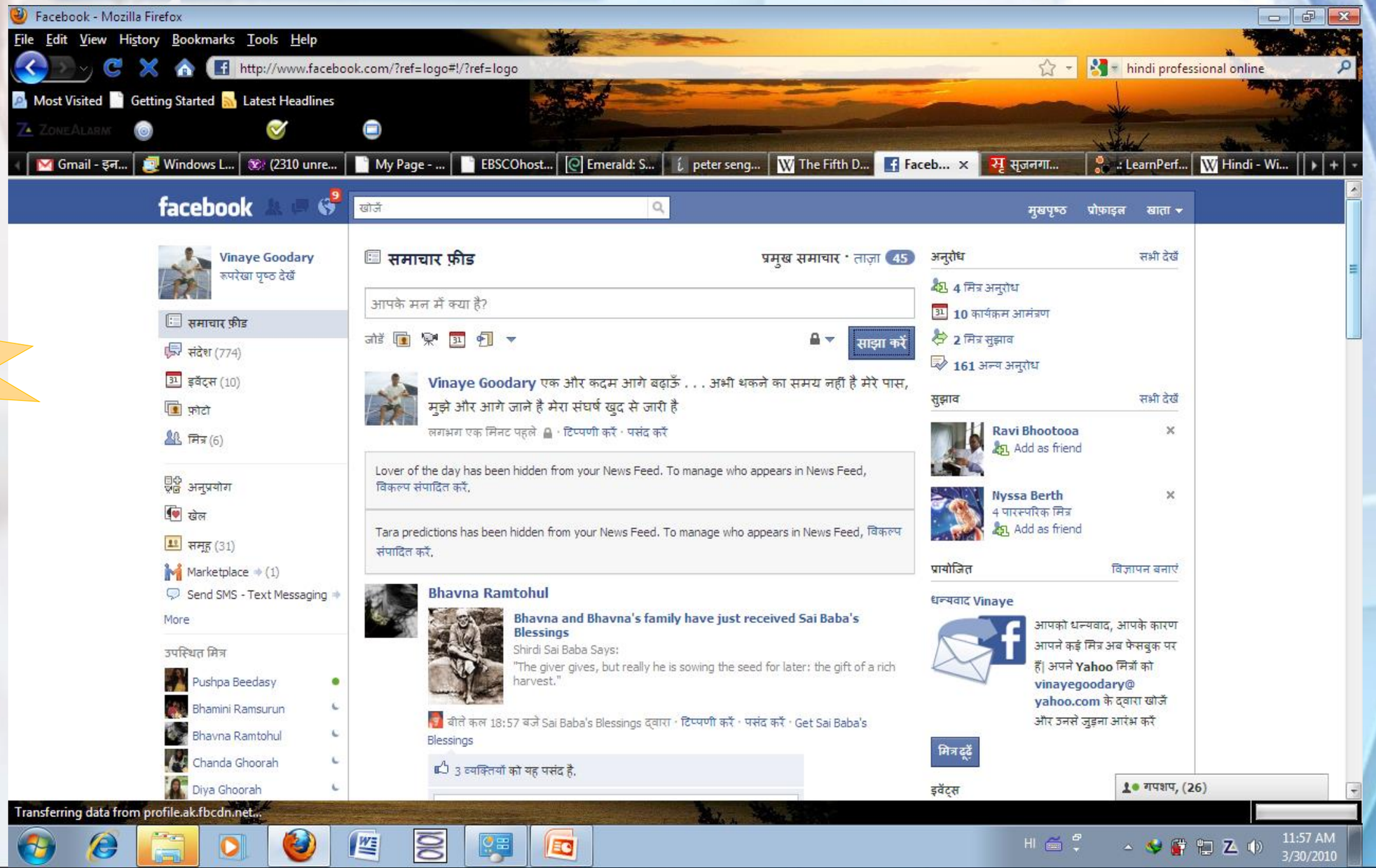




like us on facebook

क्यों नहीं ?

PLAY



मॉरीशस के हिन्दी शिक्षक – Facebook Group

Not secure | hindipracharinisabha.com/activities/courses.html

okmarks Inbox (4,531) - vinaye YouTube - Buddham Gmail - Inbox (2711) राम की अग्नि-परीक्षा We BBC Hindi - विज्ञान - हि YouTube - Automatic »

भाषा गई तो संस्कृति गई

हमारे बारे में | गतिविधियां | समाचार&आयोजन | पत्रिका | संपर्क

hindipracharinisabha.com/activities/courses.html

Inbox (4,531) - vinaye | YouTube - Buddham | Gmail - Inbox (2711) | राम की अग्नि-परीक्षा We | BBC Hindi - विज्ञान - f | YouTube - Automatic

The Sabha conducts and awards Certificates for Primary courses (stds I – VI) and Praveshika Examination.

The Sabha also conducts higher Examinations from the Hindi Sahitya Sammelan (Hindi University) of Allahabad, India.

COMMUNIQUE

HINDI PRACHARINI SABHA

EXAMS FEES 2015

Hindi Syallabus 2015-2018

1. Praveshika 2015-2018.
2. PARICHAY 2015-2018.
3. PRATHAMA 2015-2018.
4. MADHYAMA 2015-2018.
5. UTTAMA I 2015-2018.
6. UTTAMA II 2015-2018.
7. UTTAMA III 2015-2018.

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मल्टीमीडिया संबंधी ऑनलाइन संसाधन

- **अक्षरमाला** C:\Users\vinay\Desktop\TDP Seminar ICT 17.03.2017\multimedia animated videos\Let s Learn the Hindi Alphabet - Preschool Learning.mp4
- **गीत** C:\Users\vinay\Desktop\TDP Seminar ICT 17.03.2017\multimedia animated videos\Re Mama Re Mama Re Re Mama Re Hindi Rhyme Children s Pop.mp4
- **कथा** C:\Users\vinay\Desktop\TDP Seminar ICT 17.03.2017\multimedia animated videos\Naache Dhin Dhin - Bal Ganesh - Kailash Kher.mp4
- **अनूदित कार्टून** C:\Users\vinay\Desktop\TDP Seminar ICT 17.03.2017\multimedia animated videos\tom and jerry.mp4
- **कार्टून** C:\Users\vinay\Desktop\TDP Seminar ICT 17.03.2017\multimedia animated videos\02 मल्टीमीडिया A New Animated cartoon In HIndi part 1.mp4
- **कहानी (गीत)** C:\Users\vinay\Desktop\TDP Seminar ICT 17.03.2017\03 कहानी & रोचकता - आकर्षण Must watch - Amitabh Bachchan Hindi Song _Aao Bachho_ in Animation by Jingle Toons.mp4
- **कहानी** C:\Users\vinay\Desktop\TDP Seminar ICT 17.03.2017\04 कहानी और उपदेश - मूल्य Panchatantra Hindi Animation Stories - Rabbit and Totoise खरगोश और कछुआ.mp4
- **कविता** multimedia animated videos\Machli jal ki rani hai - Fish 3D Animation Hindi Nursery rhy.mp4

Video

मैं क्यों उपेक्षित रहूँ?

धन्यवाद

कुछ करने की इच्छा वाले व्यक्ति के लिए
इस दुनिया में कुछ भी असंभव नहीं है।

सौजन्य से:QuotesDekho.Com

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(विनय)

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vinaye08@gmail.com