

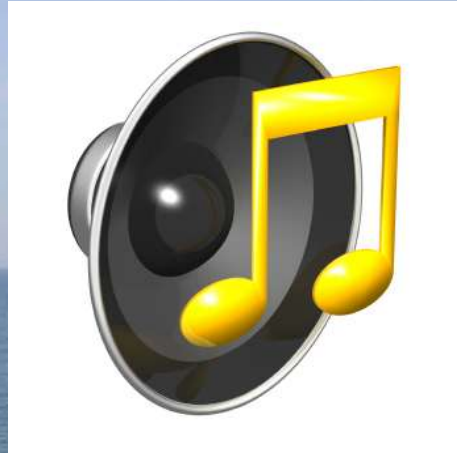
# EasyNow

*An Approach to*

*Multiple Media Delivery*

**INTRODUCTION**





EasyNow approach aims at - enabling every teacher to create his/her courseware in a multiple-media modes  
**Textual, Oral, Visual**

**Print information can be had in the form of a book or as multimedia lessons on the NET**

**Streaming Audio/Videos through Internet**

**CDs and VCDs that can be heard and seen on inexpensive players connected to the home TV**

**DVD for Television Deliveries**

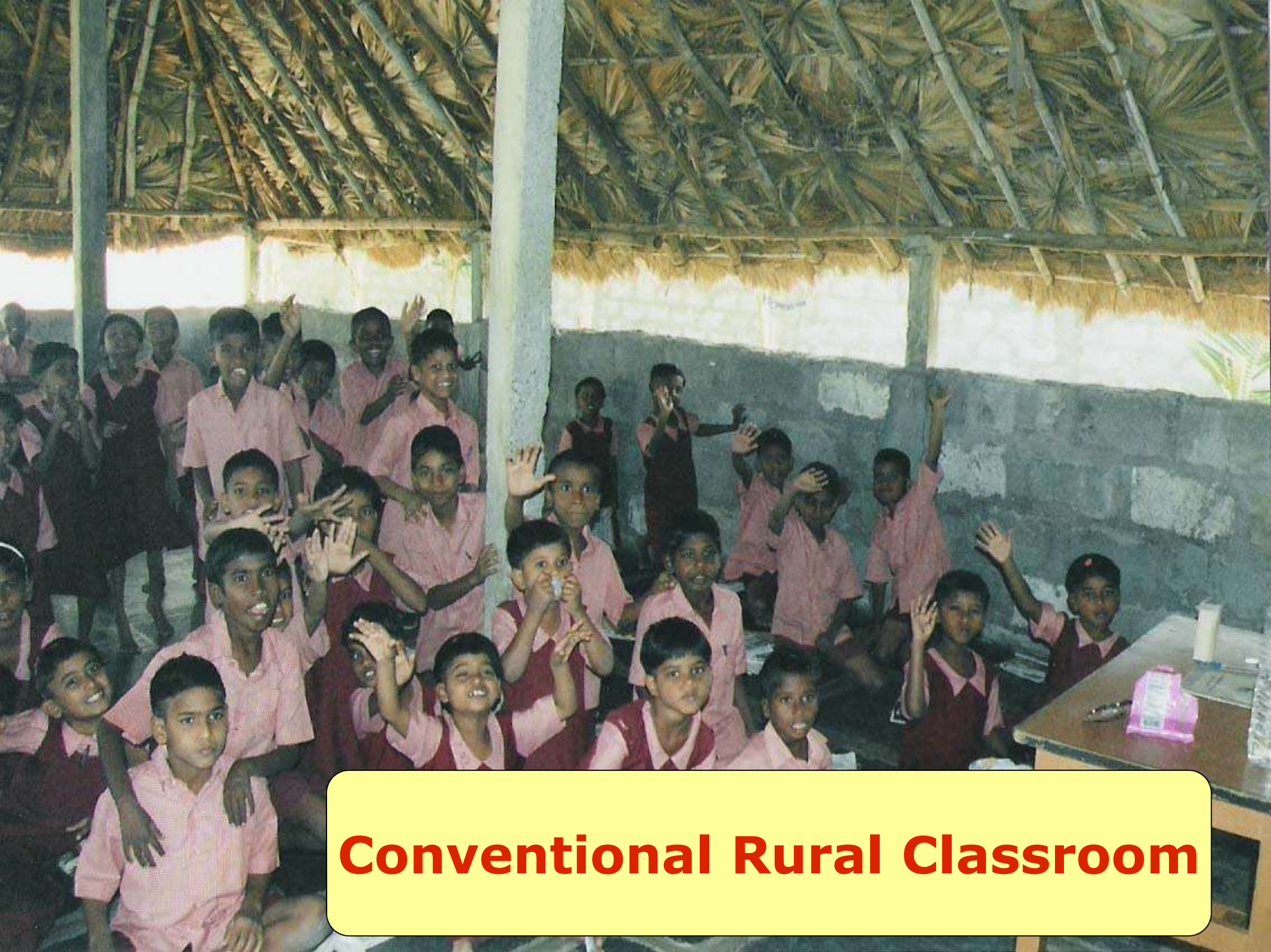
**The audio lessons for broadcast over radio systems**

**EasyNow approach aims at - enabling every teacher to create his/her courseware in a multiple-media modes**

**Textual, Oral, Visual**



## High-Tech Classroom



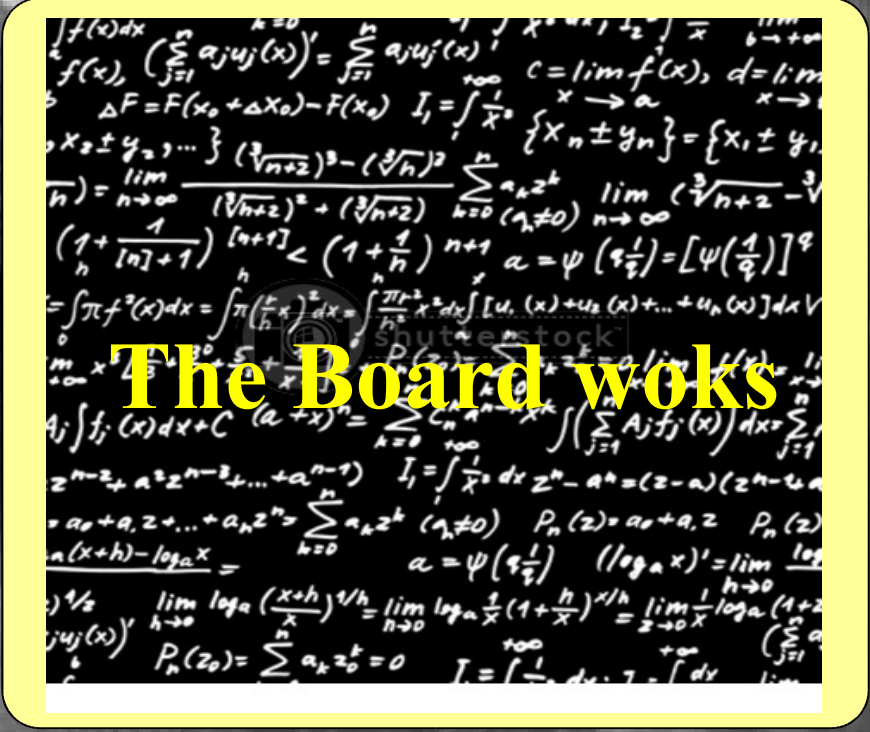
**Conventional Rural Classroom**

A black and white photograph of Albert Einstein, with his characteristic wild hair and mustache, is shown from the chest up. He is wearing a dark, textured jacket and is pointing with his right hand towards the equation  $E = mc^2$  written on a chalkboard. The background is a dark, textured surface, likely the chalkboard.
$$E = mc^2$$



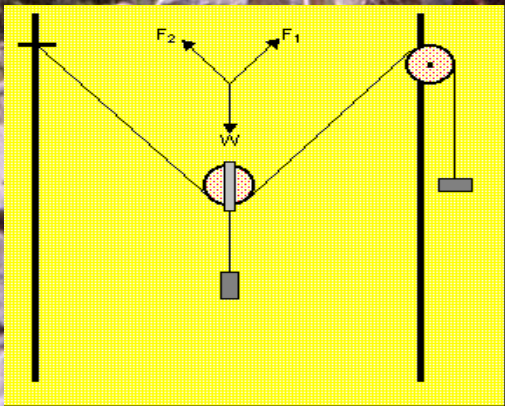
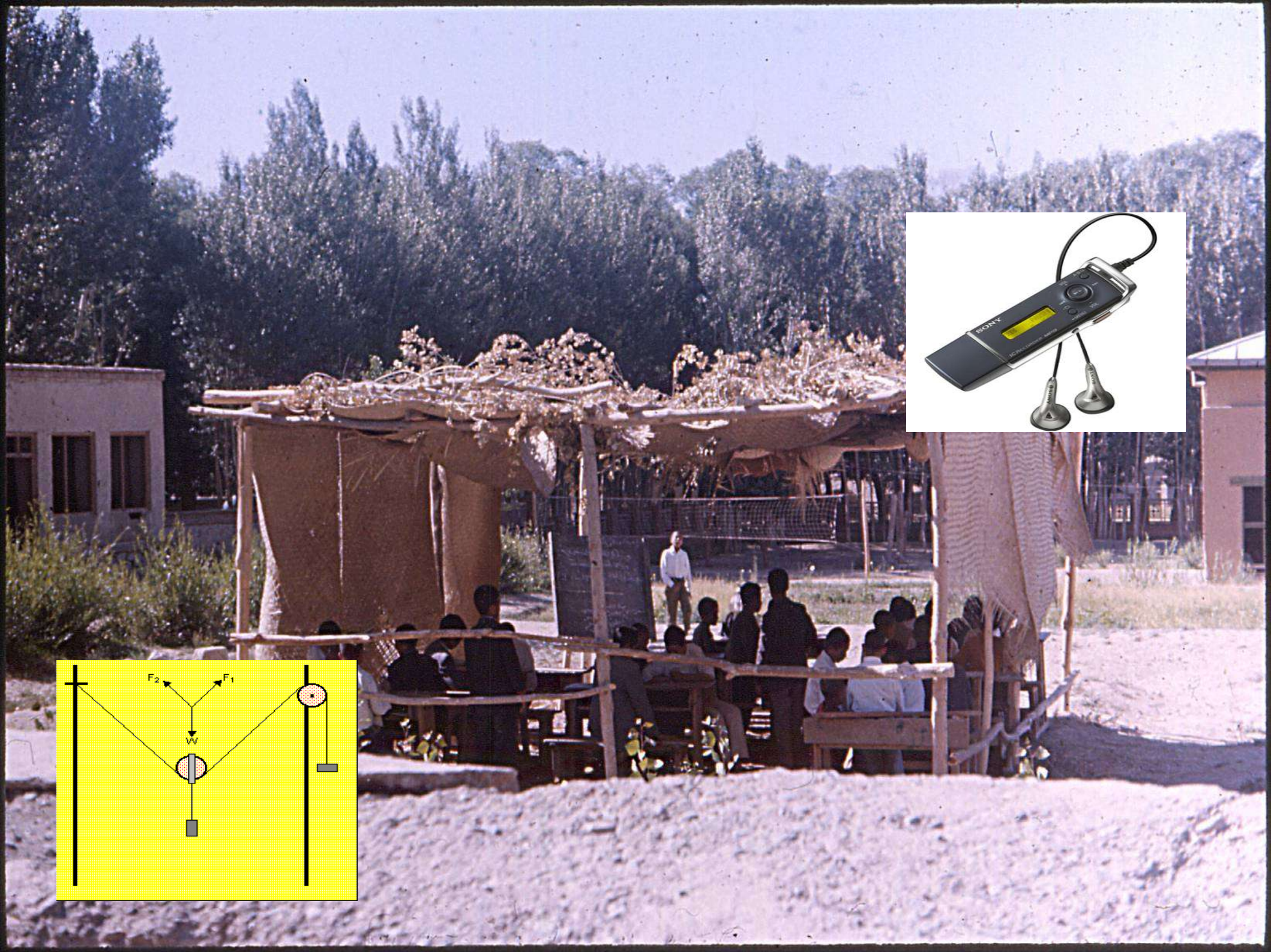
**VOICE**

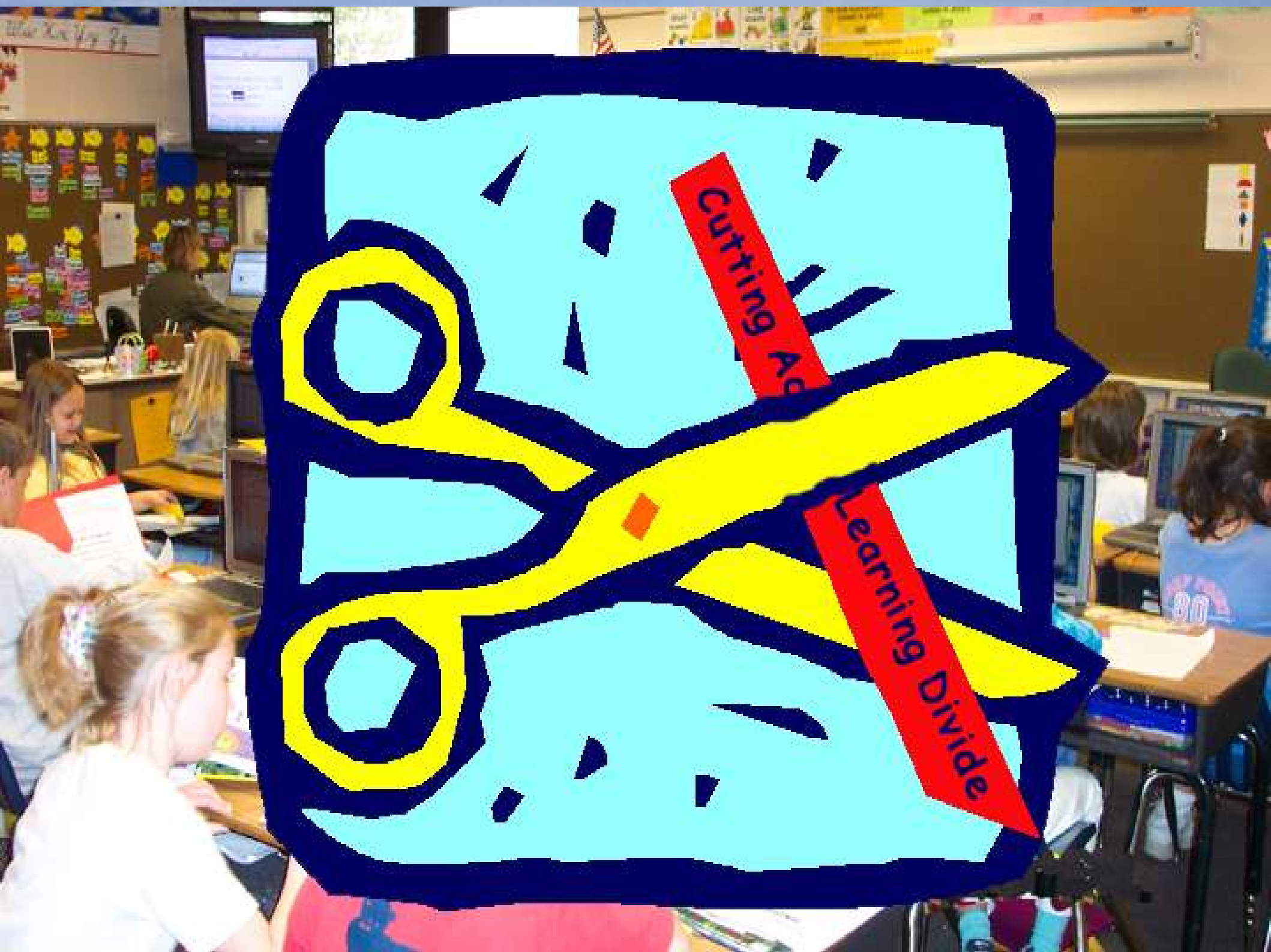

$$E = mc^2$$



The Board works

$$\int f(x) dx$$
$$f(x) = \left( \sum_{j=1}^n a_j u_j(x) \right)' = \sum_{j=1}^n a_j u_j'(x)$$
$$\Delta F = F(x_0 + \Delta x_0) - F(x_0) \quad I_1 = \int_{x_0}^1 \frac{1}{x^2} dx$$
$$\{x_1 \pm y_1, \dots, x_n \pm y_n\} \quad \{ \sqrt[n]{n+2} \} - \{ \sqrt[n]{n} \}$$
$$\lim_{n \rightarrow \infty} \frac{1}{(n+1)^{1/n}} < \left(1 + \frac{1}{n}\right)^{n+1} \quad a = \psi\left(\frac{1}{q}\right) = \left[\psi\left(\frac{1}{q}\right)\right]^q$$
$$\int \pi f^2(x) dx = \int \pi \left(\frac{f}{h}\right)^2 dx = \int \frac{\pi f^2}{h^2} dx = \int \frac{\pi f^2}{h^2} dx \int [u_1(x) + u_2(x) + \dots + u_n(x)] dx$$
$$A_j \int f_j(x) dx + C \quad (a+x)^n = \sum_{k=0}^n C_k a^{n-k} x^k \quad \int \left( \sum_{j=1}^n A_j f_j(x) \right) dx = \sum_{j=1}^n A_j \int f_j(x) dx + C$$
$$z^{n-2} + a z^{n-2} + \dots + a^{n-1} \quad I_1 = \int \frac{1}{x} dx \quad z^n - a^n = (z-a)(z^{n-1} + a z^{n-2} + \dots + a^{n-1})$$
$$= a_0 + a_1 z + \dots + a_n z^n = \sum_{k=0}^n a_k z^k \quad (a_k \neq 0) \quad P_n(z) = a_0 + a_1 z \quad P_n(z)$$
$$\frac{a(x+h) - \log_a x}{x} = \frac{a(x+h) - \log_a x}{x} \quad a = \psi\left(\frac{1}{q}\right) \quad (\log_a x)' = \lim_{h \rightarrow 0} \frac{\log_a(x+h) - \log_a x}{h}$$
$$\lim_{h \rightarrow 0} \log_a \left( \frac{x+h}{x} \right)^{1/h} = \lim_{h \rightarrow 0} \log_a \frac{1}{x} \left(1 + \frac{h}{x}\right)^{1/h} = \lim_{h \rightarrow 0} \frac{1}{x} \log_a \left(1 + \frac{h}{x}\right)^{1/h}$$
$$P_n(z) = \sum_{k=0}^n a_k z^k = 0 \quad I = \int \frac{1}{x} dx = \int \frac{1}{x} dx$$





Cutting Across

Learning Divide

$$D = \frac{1}{c} \frac{1}{l} \frac{dl}{dt} = \frac{1}{c} \frac{1}{P}$$

$$D^2 = \frac{1}{P^2} \frac{P_0 - P}{P}$$

$$D^2 = \frac{K_B}{3} \frac{P_0 - P}{P}$$

$$D^2 \sim 10^{-53}$$

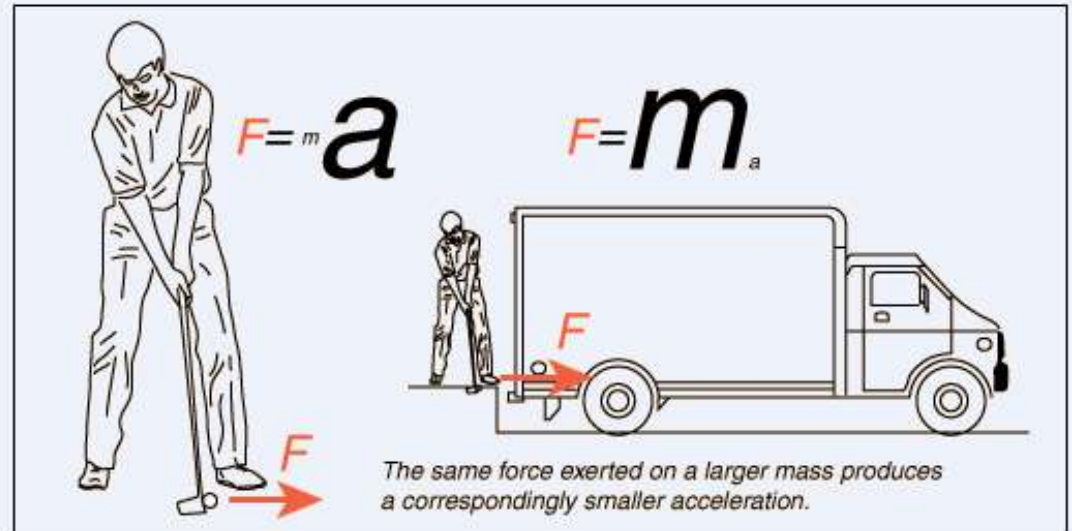
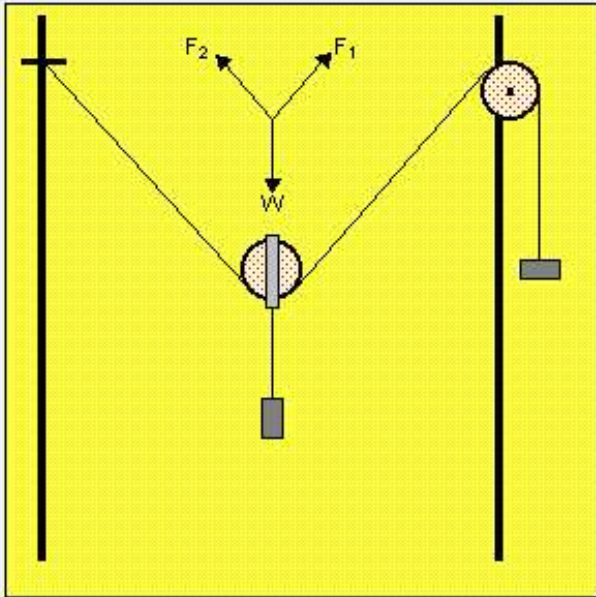
... applications of Newton's laws to our experiences in an automobile. The behavior of coffee in a coffee cup filled to the brim from rest or while bringing a car to rest from a high speed tends to "keep on doing what it is doing." When a car starts from rest, the road provides an unbalanced force on the spinning wheels to push the car forward; yet the coffee (which is at rest) wants to stay at rest. While the car accelerates forward, the coffee remains in the same position relative to the car. When the car accelerates out from under the coffee, the coffee spills in your face. On the other hand, when a car is moving at a constant speed, the coffee continues to move forward at the same speed. When the car brakes, the coffee continues to move forward in the same direction, ultimately hitting the dashboard. The coffee's motion tends to stay the same.

**Audio**

**Illustration**

... nced inertia ... your state of ... ile while it ... he force of ... d wheels ... ed force to ... of motion, ... d force ... sliding forward along the seat. ... the same speed and ...

A good teacher helps those who are doing poorly to do well, and helps those who are doing well to do **even better!**







**What can be achieved through  
EASYNOW?**

# From Classroom or Teacher's Desk

Lecture  
Hardcopy

Boardworks  
illustrations

Audio  
Recorded or  
Converted

Softcopy of  
illustrations

Delivery  
Multiple Media

Video Media/Audio Media/Net  
Books,TV/Radio  
Internet  
Cds(Computers/Players)

Slide Show

Movie

Medium

Hardcopy: Writings/Illustrations  
Softcopy: Audio/Video

# From Electronic Media Centre

Videography  
from a studio

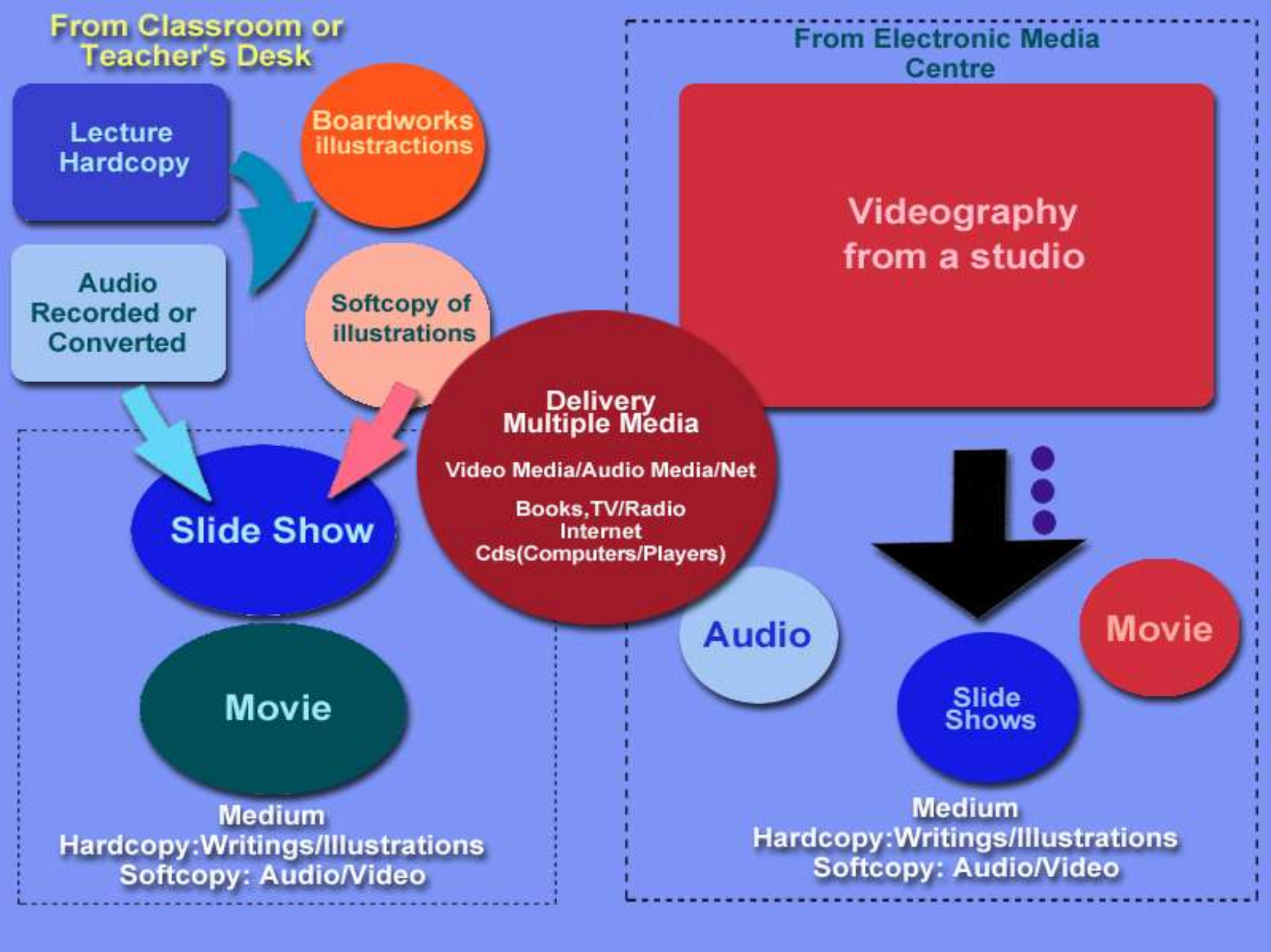
Audio

Slide  
Shows

Movie

Medium

Hardcopy: Writings/Illustrations  
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# Multiple Modes of Delivery

## 1. Textual Delivery

- Browse/ Download the Document

- ODL Format

- Magnification of Document

## 2. Audio Delivery

- Recorded Audio for (Radio/ACds/ PCs)

- Streaming Audio (Internet)

- Text to Audio (Internet)

## 3. Slide Shows

- Slide shows for Live Lecture/Browse

- Slide shows on Cds/DVDs to view through Players/PCs

- Slide shows with Audio as streaming Video for Internet Delivery

## 4. Video Delivery (Chalk & Talk)

- Streaming Video (For Internet Delivery)

- Best Quality Video for VCD/DVD production (TV/PLAYER/PCs)

## 5. Enriched Video

- Streaming Video (For Internet Delivery)

- Best Quality Video for VCD/DVD production (TV/PLAYER/PCs)

# Steps

- 1) Capturing phase**
- 2) Preparation phase**
- 3) Delivery phase**

# Capturing Phase

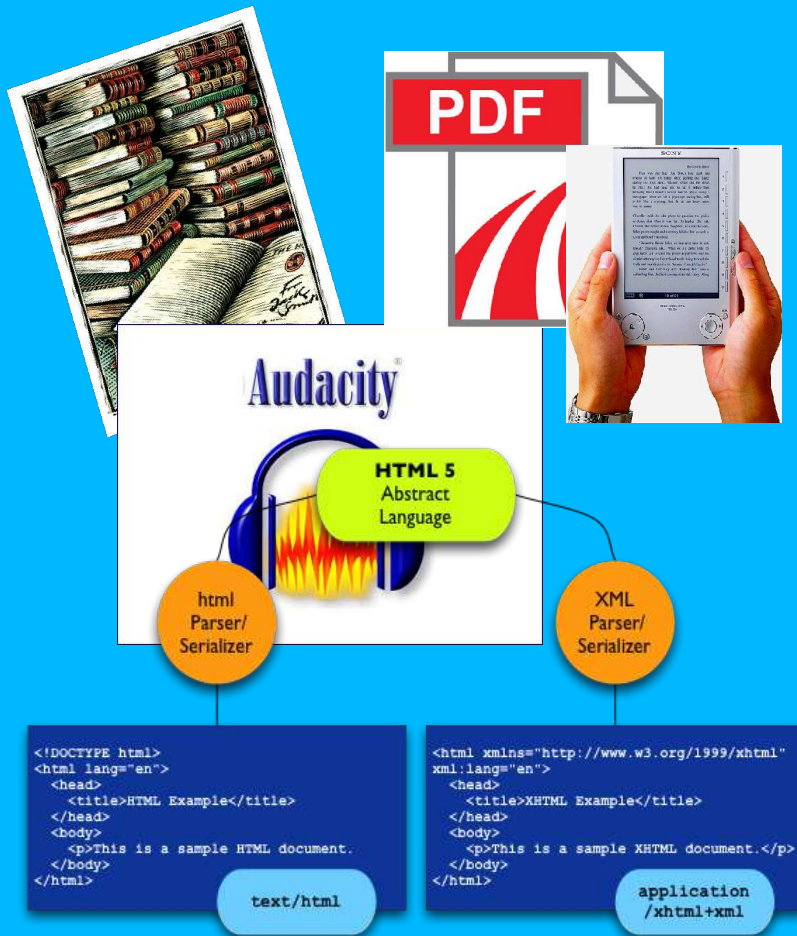
- **Hard copy of text of the lesson (Paper Media)**
- **Hard copy of board works/ illustrations/ charts/ photographs (Paper Media)**
- **Soft copy of text (Lessons mapped into Document Files)**
- **Audio Recording of Lessons (Audio Files)**
- **Soft copy of board works/ illustrations scanned computer media (image Files/Animations)**
- **Power Point Slide shows (image files)**
- **Video-graphing the lecture - Chalk & Talk (Video Files)**
- **Enrichment of the Video (Adding connected illustrations/Videos etc.) Video Files**

**Conversion to  
Soft Copies  
Recommended**

# Preparation

- ~~■ Hard copy of Documents with illustration~~
- Softcopy of Documents .doc to html/PDF/ODL/Magnification
- Softcopy of Audio (Recording) to .wma/.mp3 files/ Text to Audio
- Slide show with audio (Power point /Audio files) to .wmv
- Edited/Enriched video VCD/ DVD/ Beta video-graphed lectures
- Mapping of Slide shows for Streaming Delivery
- Mapping of videos for a streaming delivery on Internet through broadband/dial-up network delivery

# Delivery Phase



- Text Delivery  
HTMLs/PDFs/ODL/  
Magnify
- Audio Streaming  
mp3,wma
- Slide Shows  
wmv
- Videos  
wmv,Flash,DAT,VOB

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