



Digital Teacher.in™

Technical Presentation on
**Digital Classroom/Smart
Classroom Service**


Developed by:

CODE AND PIXELS | DIGITAL TEACHER

CNP Elite Tower, Plot No. 4, Road No. -5, Sri Shankar colony, Siris Road, L.B Nagar , Hyderabad - 74

Helpdesk Number: 90000 90702



 Digital Teacher.in

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A Product of



CODE & PIXELS

Values, People, Experience & Technology



Digital Teacher.in

Smart Classroom | English Language Lab

Registered With



Efficient • Transparent • Inclusive





About

**Content Development is Our Passion not just
Our Business**

**Empowering Schools & Promoting Innovation
through Digital Technology**



About Us

Code and Pixels Interactive Technologies Private Limited is a IT company with its headquarters in Hyderabad, providing **eLearning Solutions, Content Engineering Services, Consultancy Services and IT Services** to industries in verticals such as **Defence, Transportation, Aerospace, Manufacturing, Energy, BFSI** and **Education**.

Departments



Software Development

- ❖ Custom software Development
- ❖ Web Application Develomnet
- ❖ ERP Solutions



Content Engineering

- ❖ Computer Based Learning
- ❖ E - Content Development
- ❖ Smart Classroom Service
- ❖ Digital Teacher (KG to X)
- ❖ English Language Lab



Product Development

- ❖ Digital Teacher (KG to X)
- ❖ English Language Lab
- ❖ Smart Classroom Service

Our Team

We have 150+ Members Professional Team Consists of:

Content Writers

**Data Analysis
Managers**

Graphic Designers

**Social Media Marketing
Managers**

Video Editors

Zonal Sales managers

Animators

**Digital Marketing
Managers**

Sales Executives





Company Owned Building











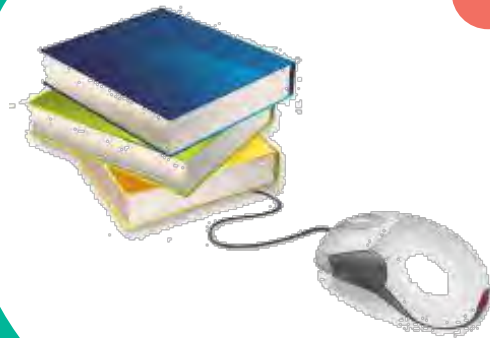




Software Development Service



Content Engineering Services



Digital Class Rooms



Smart
Classroom



Digital Class Room – Services

 **Digital Teacher.in**

Smart Classroom | English Language Lab

7500+ Schools are
Using Our Product
as their
Digital Technology
Partner

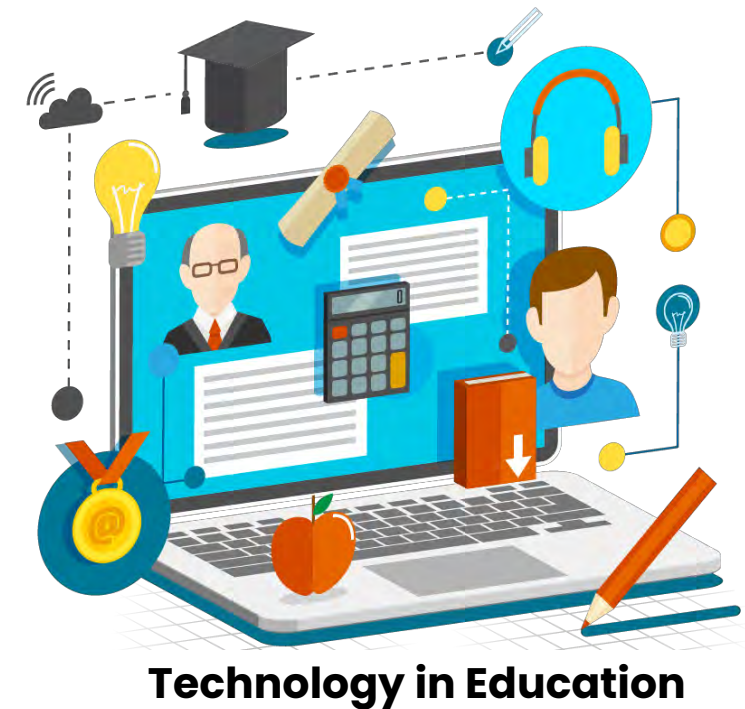
 **Digital Teacher.in**

English
Language Lab 

• Basics of grammar • Listening • Speaking • Reading • Writing • Phonetics • Soft skills

Introduction to Digital Learning

- ❖ Earlier, technology in education was a debatable topic amongst the society. Everyone had their own views on modernizing education and making it technology aided.
- ❖ There were a huge number of positives and negatives to education technology. But, gradually as technology was embraced by the educational institutes, they realized the importance of technology in education.



- ❖ The conventional ways of instruction have always left a huge gap in teaching-learning experience isolating the teacher from the students.



Technology
has made
learning

easy,
interactive,
and
interesting.

A typical student may not properly comprehend and visualize what the teacher delivers in the classroom using words and static pictures without proper care on individual differences visualizing ability & the pace of learning. In this scenario, a weak student is left behind and feels neglected.

Digital Teaching Material Supports

Technology
has made
learning

easy,
interactive,
and
interesting.

Self Learning

Self-paced learning

Increases Interest Levels

Increases Retention Power

Critical concepts are being developed and packaged using multimedia based digital solutions.



- "The good teacher explains.
The superior teacher demonstrates.
The great teacher inspires."
- Technology will not & can
never replace Teachers.
- **Digital Teacher** is not a
replacement of the teacher.
- **Digital Teacher** bridges the gap
between what is taught and
what is understood.



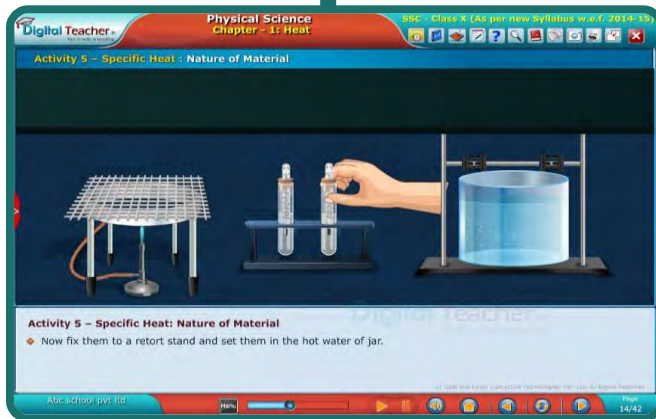


- ✓ Digital Teacher software (SSC for KG to X and CBSE for VI to Class X) is an effective digital class room solution developed as per the SSC & CBSE syllabus and on the patterns of Continuous and Comprehensive Evaluation.
- ✓ Currently, this software is being used successfully in 7500+ Private & corporate schools across the Country. Many renowned educators have appreciated the product.



7500+

Digital Teacher



Digital Teacher is an outcome of

- **Technology**
- **Experience**
- **knowledge**



Proficient Subject Matter Experts were also involved in the development of the product.



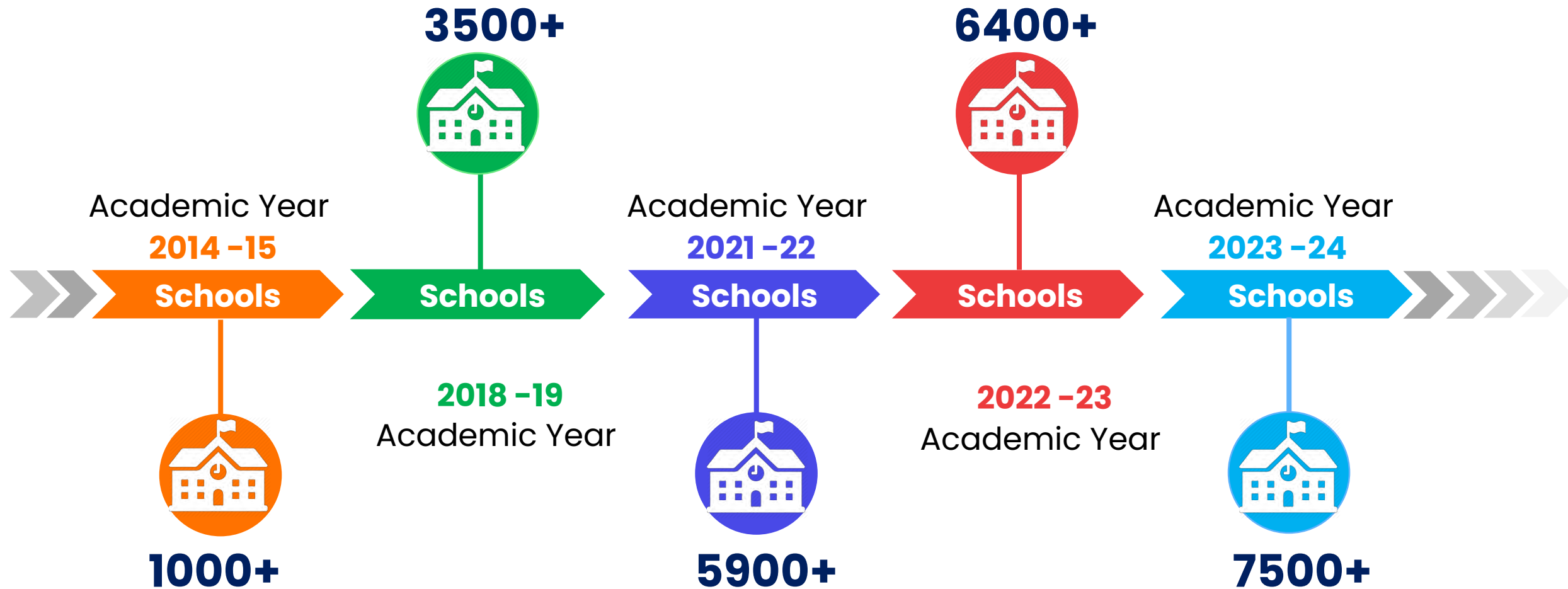
The product has been reviewed and vetted by the experts in the field.



Our aim is to make the teaching and learning process simple and joyful. We believe that teaching should make a student curious about the subject and we are confident that these digital training aids will be very much useful in achieving the objectives of Secondary Education in terms of providing knowledge, developing skills and changing the attitudes in the students for continuous and life long learning.



Journey of Digital Teacher



Elements of Instruction

- ❖ Unit Plan/Lesson Plan/Unit Overview
- ❖ Concepts/Model/Activity/Theory
- ❖ Law/Principle/Lab Activity/Virtual lab
- ❖ Derivations/ Numerical Problems
- ❖ Real life Applications/uses
- ❖ Summary/Assignments /Follow-ups
- ❖ Assessments/Keywords



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Empowering Schools & Promoting Innovation through Digital Technology

Class X - Mathematics

Developed as per CBSE syllabus

Teacher Segment

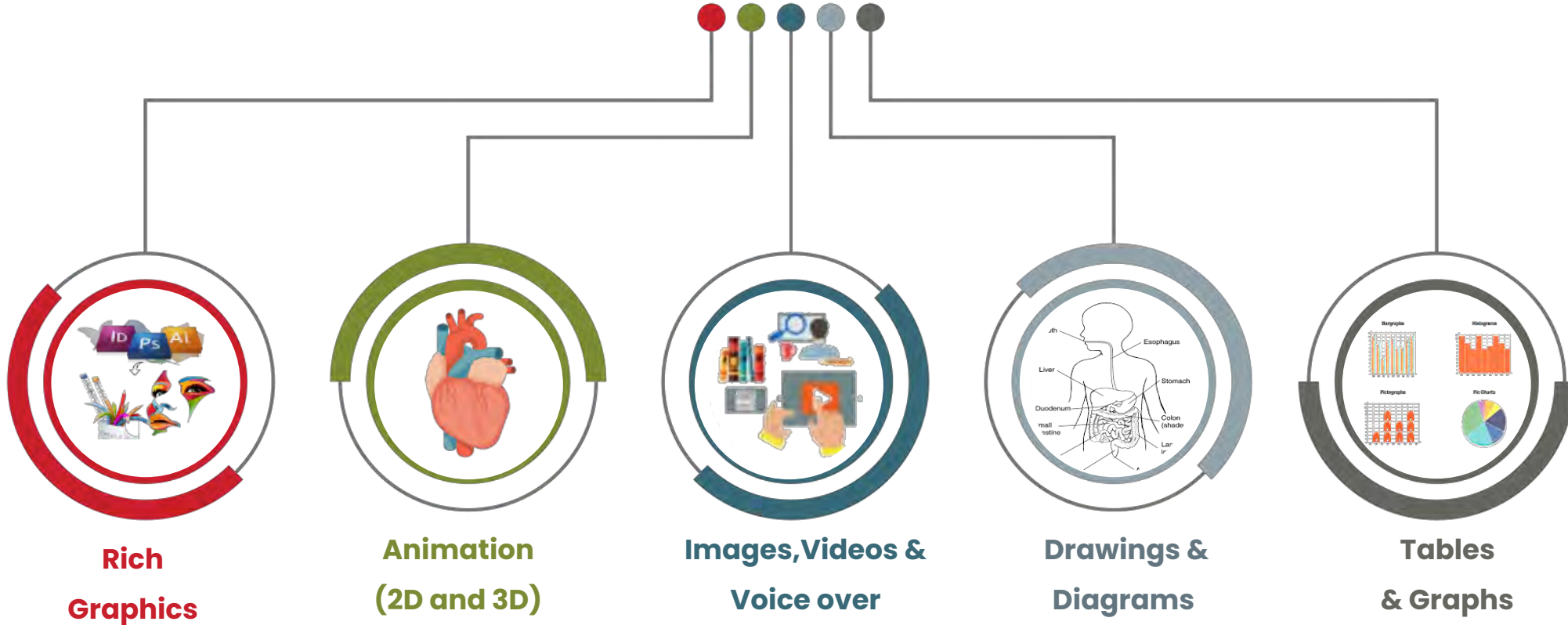
- List of Activities (General Activities, Lab Activities)
- List of Keywords
- List of Concepts
- Unit Plan
- List of Formulae
- Lesson Plan Template

Download: Click on  icon to download the required Reference Material

Right click & Enter your School name

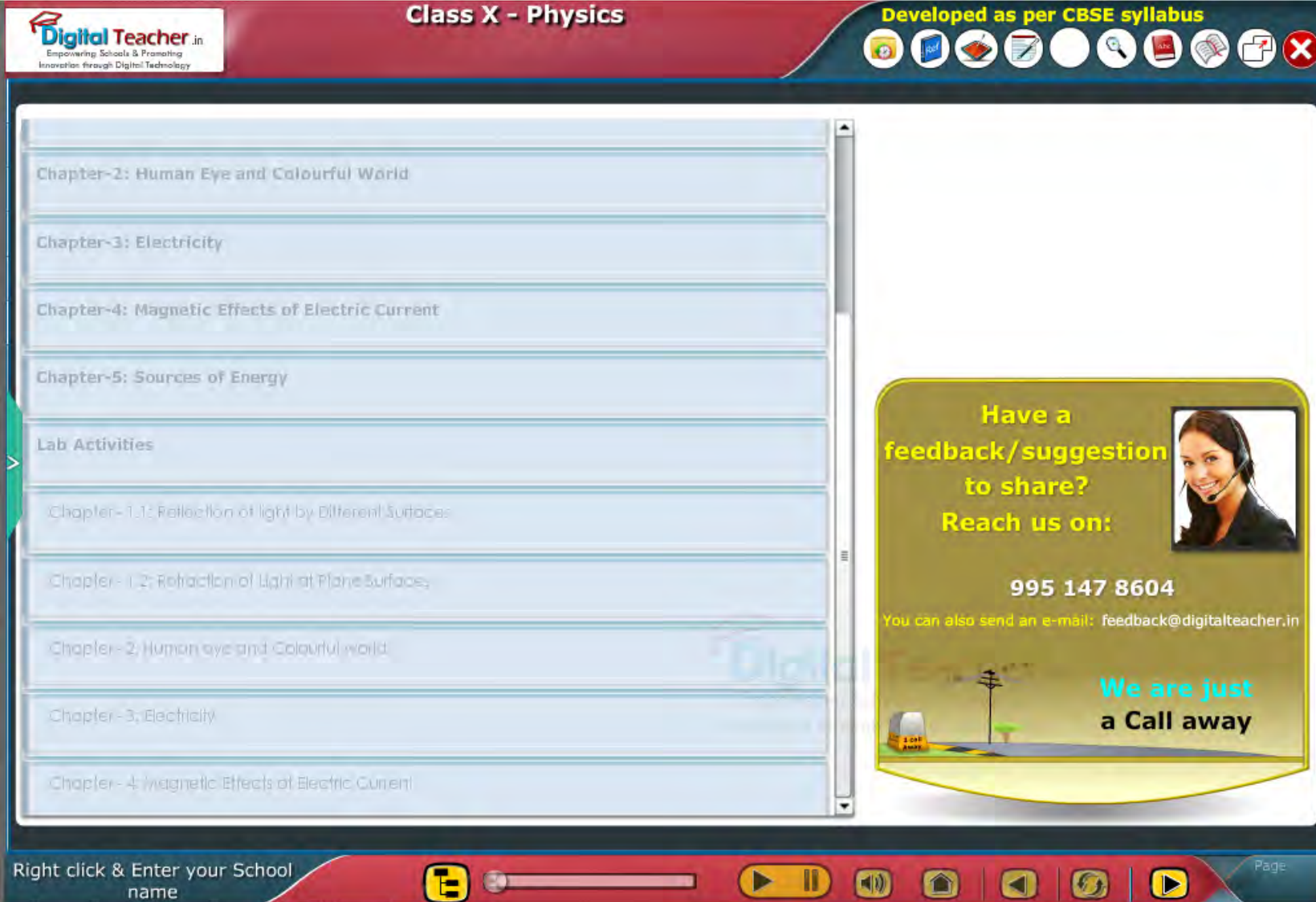
Page

Digital Teacher.in™ Media Features



Navigation Feature

- ❖ User-Friendly Interface/Navigation
- ❖ Inbuilt Interactive Board/Search
- ❖ Index/Menu/Topics List/Play/Pause
- ❖ Audio/Mute/Next & Previous Topic/Reply
- ❖ Seek bar/Glossary/References
- ❖ Master Page/Subject Home/Book Mark



Digital Teacher.in
Empowering Schools & Promoting Innovation through Digital Technology

Class X - Physics

Developed as per CBSE syllabus

Chapter-2: Human Eye and Colourful World

Chapter-3: Electricity

Chapter-4: Magnetic Effects of Electric Current

Chapter-5: Sources of Energy

Lab Activities

Chapter- 1.1: Reflection of light by Different Surfaces

Chapter- 1.2: Refraction of Light at Plane Surfaces

Chapter- 2: Human eye and Colourful world

Chapter- 3: Electricity

Chapter- 4: Magnetic Effects of Electric Current

Have a feedback/suggestion to share? Reach us on:

995 147 8604

You can also send an e-mail: feedback@digitalteacher.in

We are just a Call away

Right click & Enter your School name

Page

Some of the key Features

- ❖ High quality and carefully crafted lessons authored by highly experienced teachers.
- ❖ Rich digital Learning Content based on State Board Curriculum for English, Maths, Biology, Physical Science and Social Studies



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Innovation through Digital Technology

10th Class

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Interactive Technologies Private Limited
An ISO 9001:2015 COMPANY

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Tel: +91 40 85157705, 0900 009 0702 | Email: sales@digitalteacher.in | www.codeandpixels.net

Click the subject icons to start DIGITAL COURSE

Some of the key Features

- ❖ Constructivist based approach to learning and learning content.
- ❖ For example: Typical unit is divided into Introduction, Instruction and Evaluation approach to learning



Some of the key Features

- ❖ The content under Introduction section is divided into three sections, which help the teacher in recalling the previous knowledge, developing motivation and in proper announcement of the subject.



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Class X - Biology
Chapter - 1: Nutrition

Introduction

We Know.

Do You Know?

Let Us Know.

Nutrition

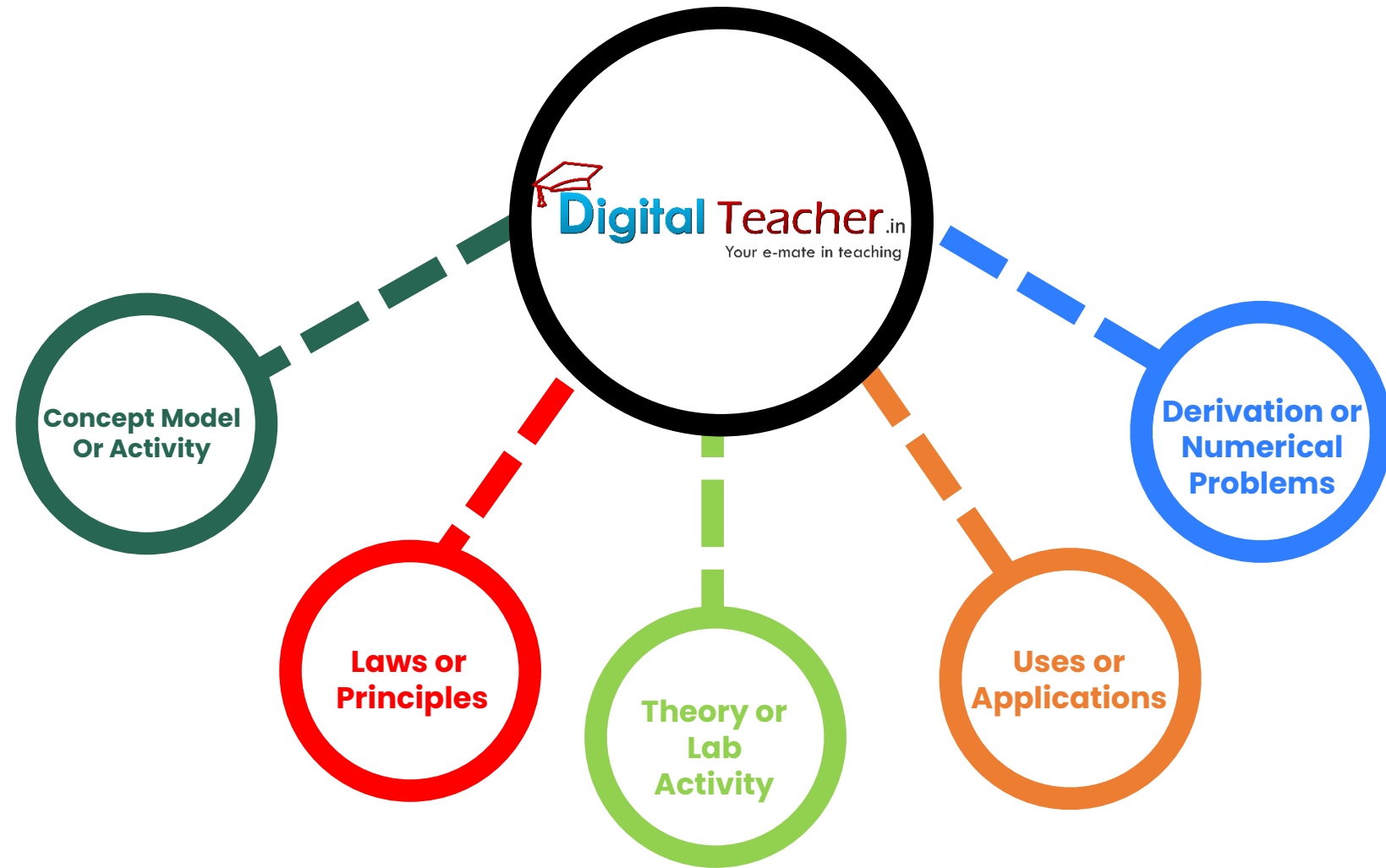
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Right click & Enter your School name

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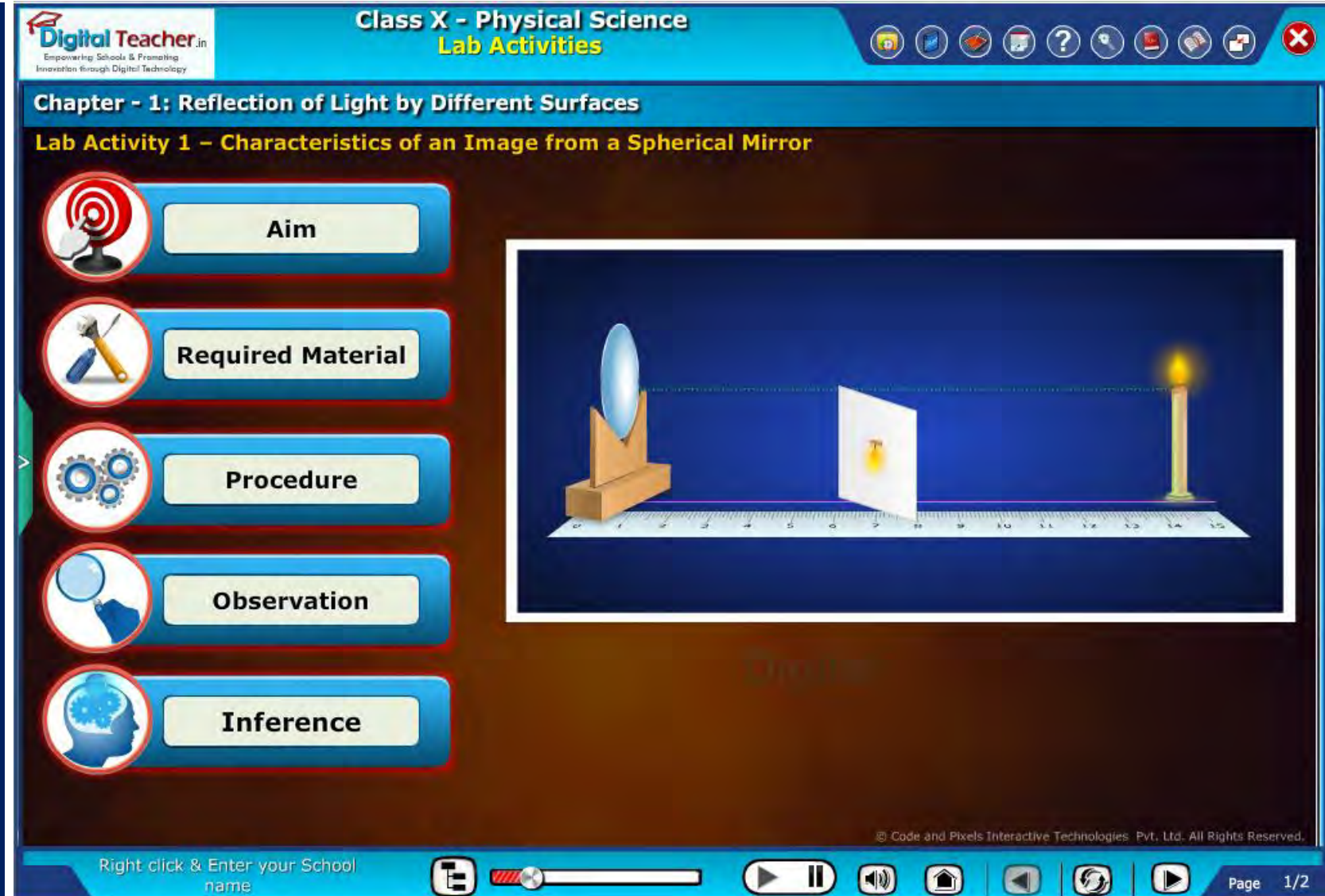
Some of the key Features

- ❖ The content of the subject under Instruction section is divided into several types based on the nature of the subject.



Some of the key Features

- ❖ Concepts and processes presented using animation and procedures are shown using simulations requiring intervention through simple navigation system.
- ❖ To Increase student participation as concepts are made clear using visual tools and interesting simulations & activities.



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Class X - Physical Science
Lab Activities

Chapter - 1: Reflection of Light by Different Surfaces
Lab Activity 1 - Characteristics of an Image from a Spherical Mirror

Aim

Required Material

Procedure

Observation

Inference

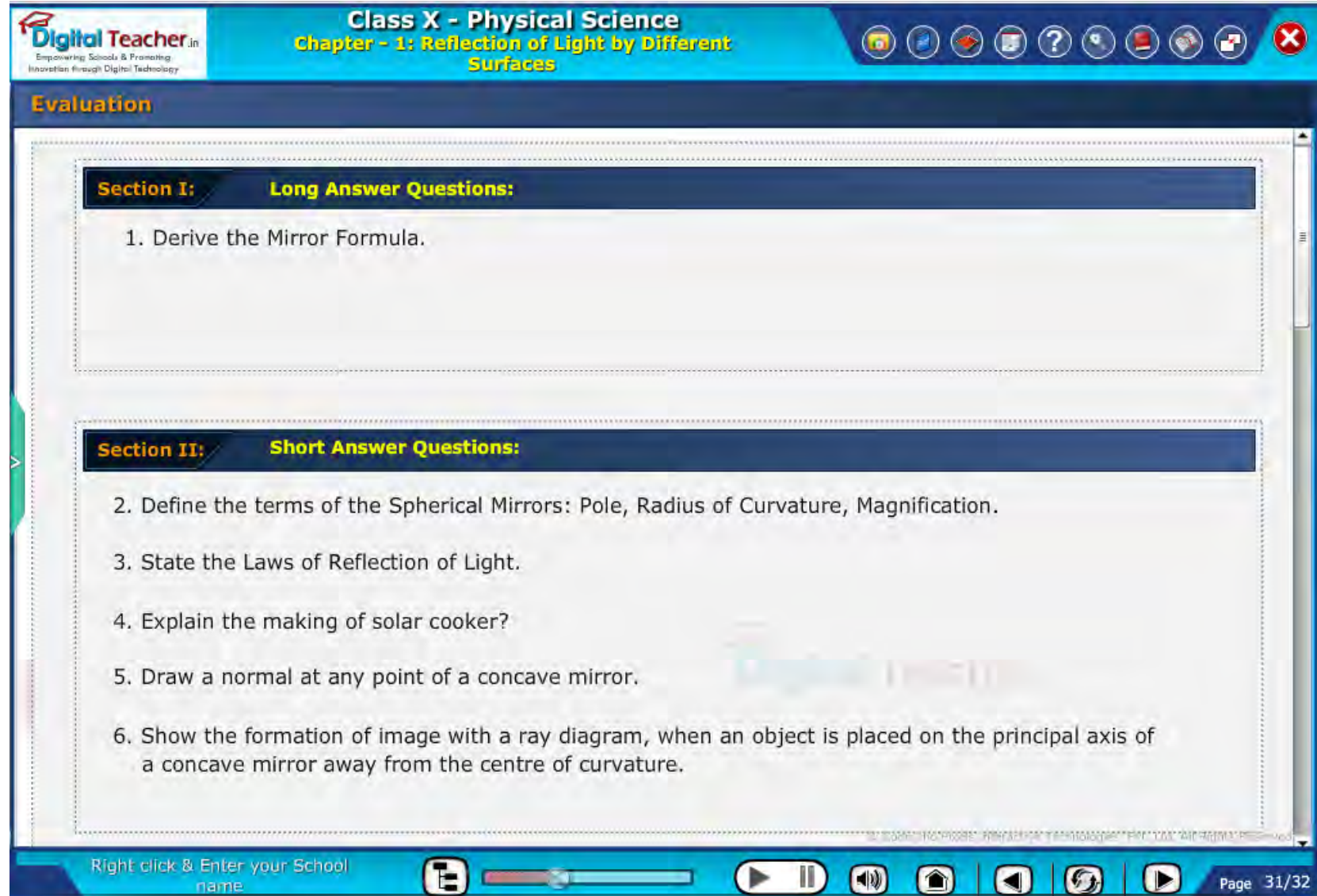
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Right click & Enter your School name

Page 1/2

Some of the key Features

- ❖ The third aspect of the teaching learning process is evaluation. On the same lines, the third section of the product is Evaluation. Hear, a sample unit test paper covering the entire instructed unit is presented for the ease of the teacher and for mock assessment of the learner



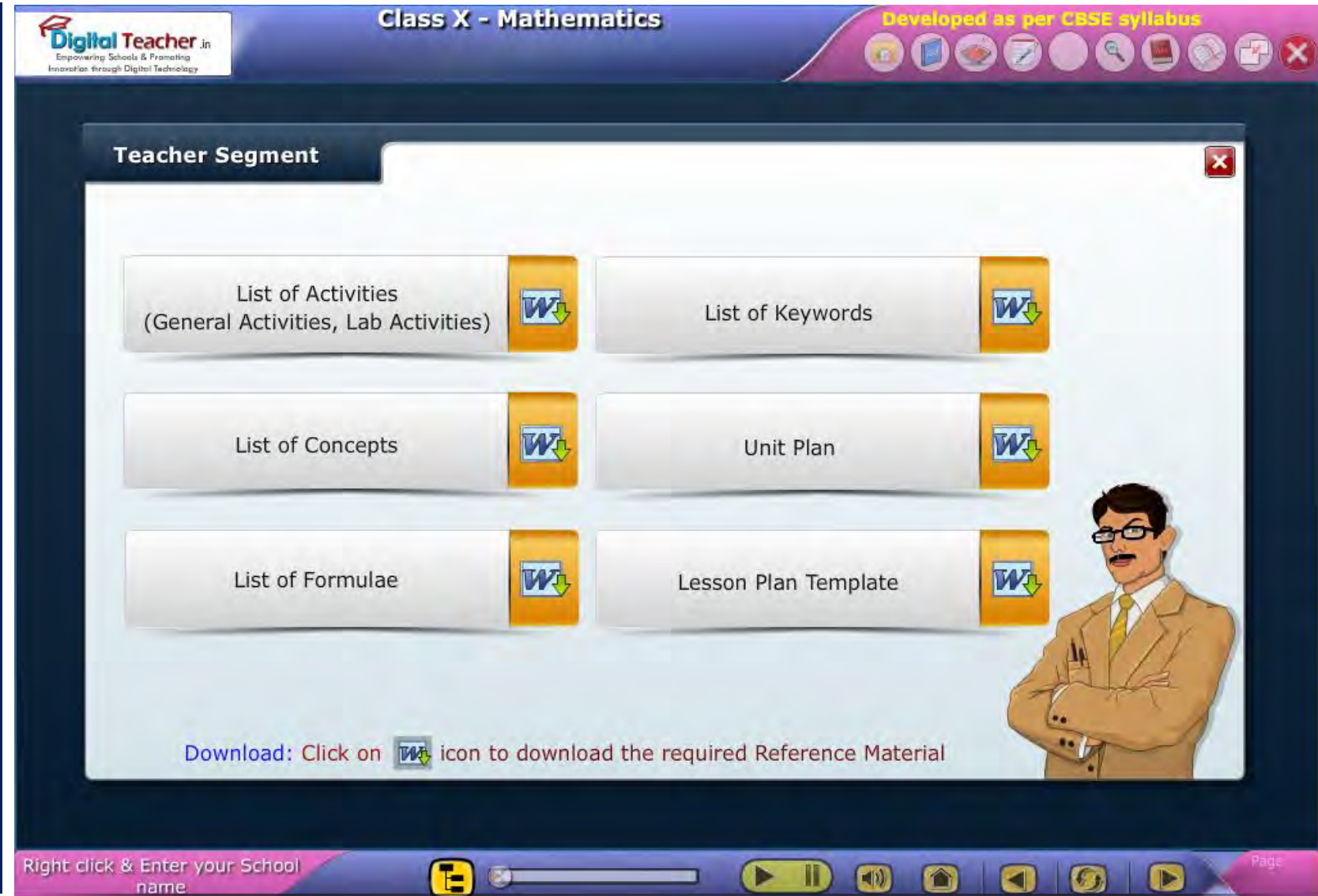
The screenshot displays the 'Digital Teacher' interface for 'Class X - Physical Science', specifically 'Chapter - 1: Reflection of Light by Different Surfaces'. The interface is titled 'Evaluation' and is divided into two sections:

- Section I: Long Answer Questions:**
 1. Derive the Mirror Formula.
- Section II: Short Answer Questions:**
 2. Define the terms of the Spherical Mirrors: Pole, Radius of Curvature, Magnification.
 3. State the Laws of Reflection of Light.
 4. Explain the making of solar cooker?
 5. Draw a normal at any point of a concave mirror.
 6. Show the formation of image with a ray diagram, when an object is placed on the principal axis of a concave mirror away from the centre of curvature.

The interface includes a top navigation bar with icons for home, search, and other functions. At the bottom, there is a footer with a text input field for 'Right click & Enter your School name', a volume slider, and navigation buttons. The page number 'Page 31/32' is visible in the bottom right corner.

Some of the key Features

- ❖ The Product presents a Unit Plan to the teachers which can either be adopted as it is or customized as per their needs in the planning stage of the instruction delivery.
- ❖ A template of the Lesson Plan is provided to break the instructions of a unit at class to class level on the lines of the unit plan.
- ❖ Every lesson includes Lesson Plans, clearly stated objectives for scholastic and non-scholastic skills to be gained from that lesson and Lesson Summary.



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Class X - Mathematics

Developed as per CBSE syllabus

Teacher Segment

- List of Activities (General Activities, Lab Activities)
- List of Keywords
- List of Concepts
- Unit Plan
- List of Formulae
- Lesson Plan Template

Download: Click on  icon to download the required Reference Material

Right click & Enter your School name

Some of the key Features

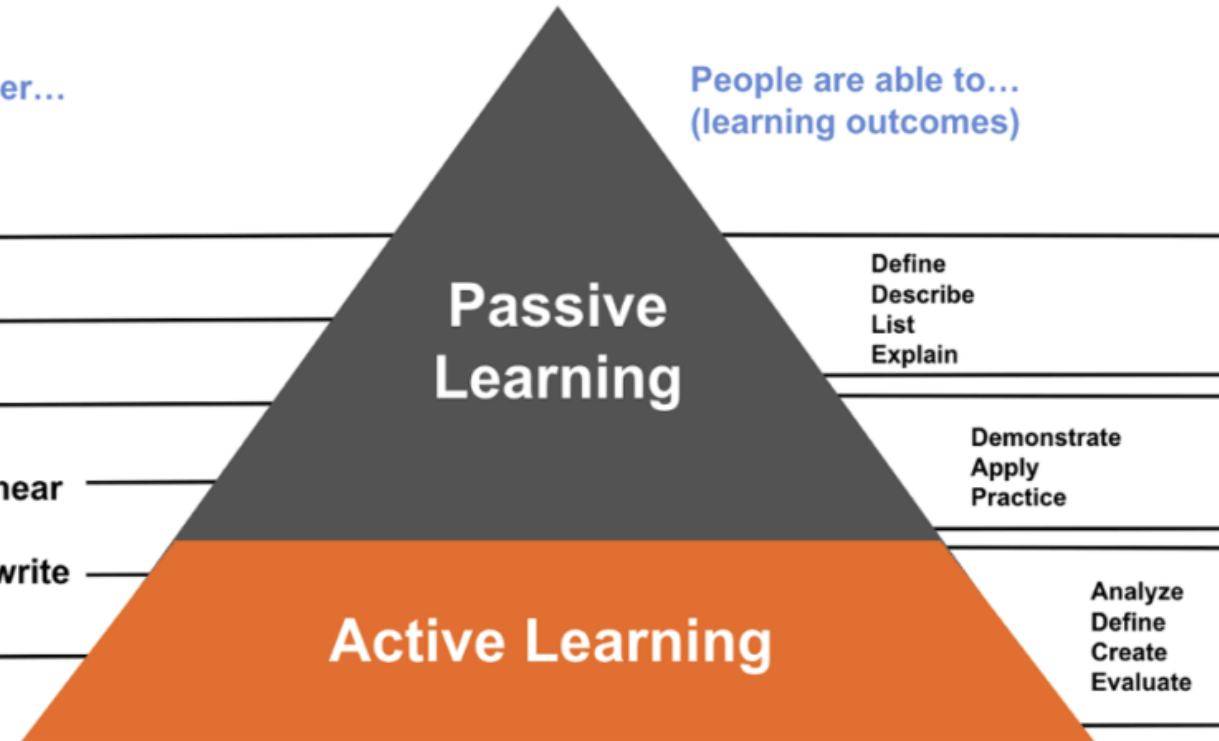
- ❖ Content is developed using right mix of passive and active learning methods to ensure maximum retention.



People generally remember...
(learning activities)

- 10% of what they read
- 20% of what they hear
- 30% of what they see
- 50% of what they see and hear
- 70% of what they say and write
- 90% of what they do

People are able to...
(learning outcomes)



Some of the key Features

- ❖ In every lesson concrete ideas from real life scenarios are introduced before arriving at the abstract concepts so that students can build on their existing knowledge and slowly move from Rote System.
- ❖ In this product, we have integrated Inbuilt Interactive Board.
- ❖ The content can be played on any system/laptop.
- ❖ Clear audio with neutral accent.



Content can be Played on Multiple Platforms



**Standalone System Installation in
Desktops / Laptops & USB Drive**

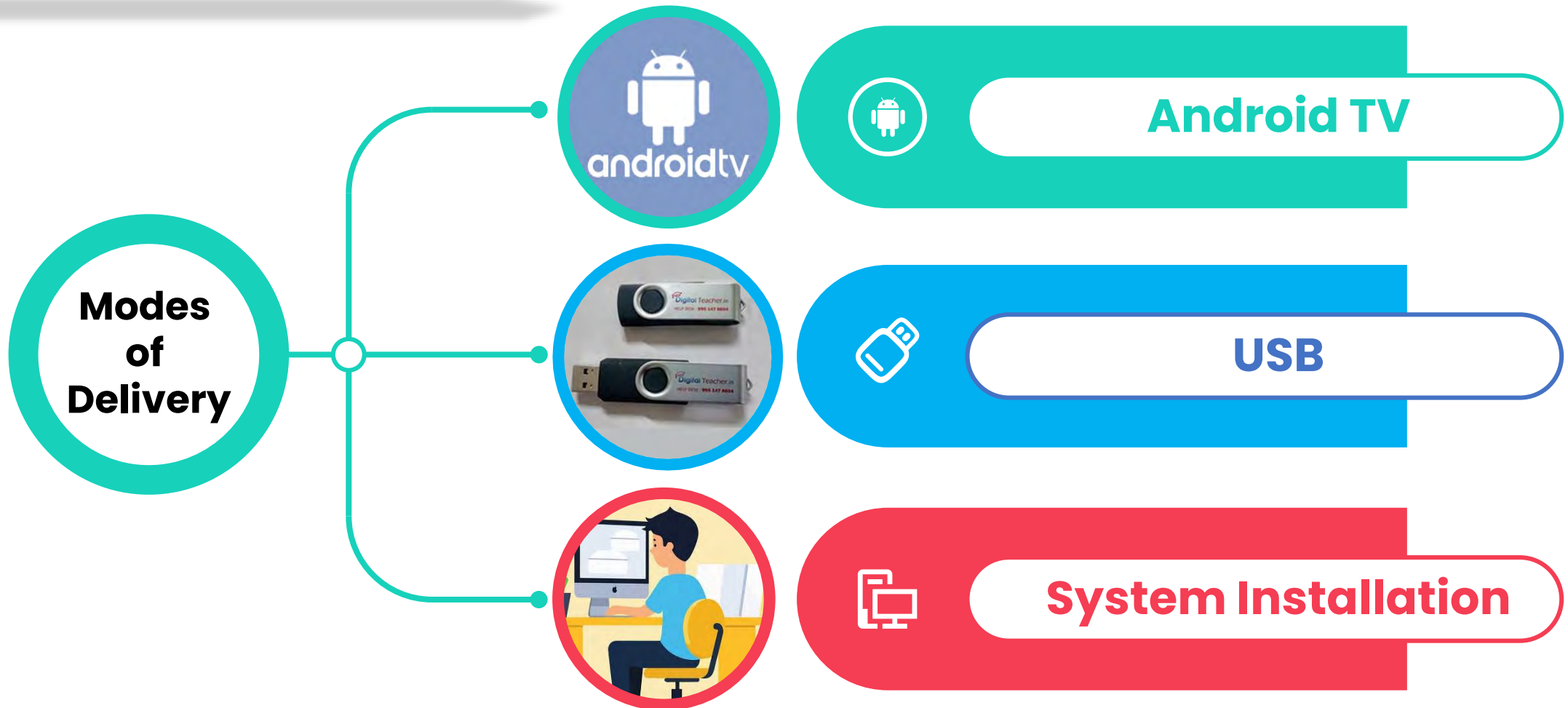


Android TV



**Digital Teacher CANVAS
Online Logins /App**

Modes of Delivery





Digital Teacher.in
Empowering Schools & Promoting
Innovation through Digital Technology



Try our other software



3D Human Anatomy



Vocabulary Builder



Basics of Computer & IT



2019 Release (Version-7)

Developed as per state syllabus and being used successfully in more than serving **7500+** Schools across Telugu States.

Click the Class icons to start the DIGITAL COURSE 

Reach us on:

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099514 78604




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Tel: 099514 78604, 090000 90702 | Email: sales@digitalteacher.in | www.digitalteacher.in

Biology
Chapter - 1: Nutrition

SSC - Class X (As per new Syllabus w.e.f. 2014-15)

Photosynthesis → Mechanism of Photosynthesis (Light Reaction)



Mechanism of Photosynthesis
Light Reaction:

- ◆ The reactions of the light take place in thylakoid membrane which is present in chlorophyll.

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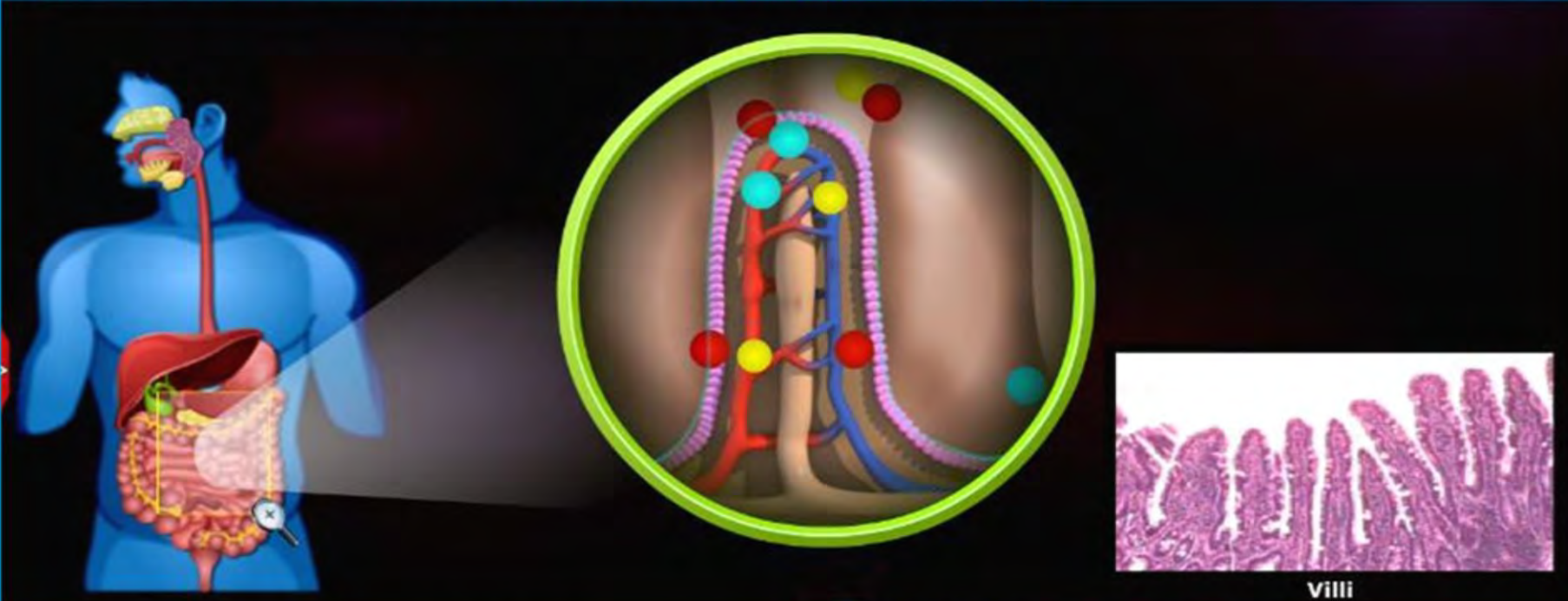
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Biology
Chapter - 1: Nutrition

SSC - Class X (As per new Syllabus w.e.f. 2014-15)

Nutrition in Human Beings → Function of Villi in Human Digestive System



Villi

Function of Villi in Human Digestive System:

- ◆ The process of transporting the digestion of products from the intestine into blood (through the wall of intestine) is called absorption.
- ◆ Internally, the intestinal wall contains a number of finger like projections called as villi.

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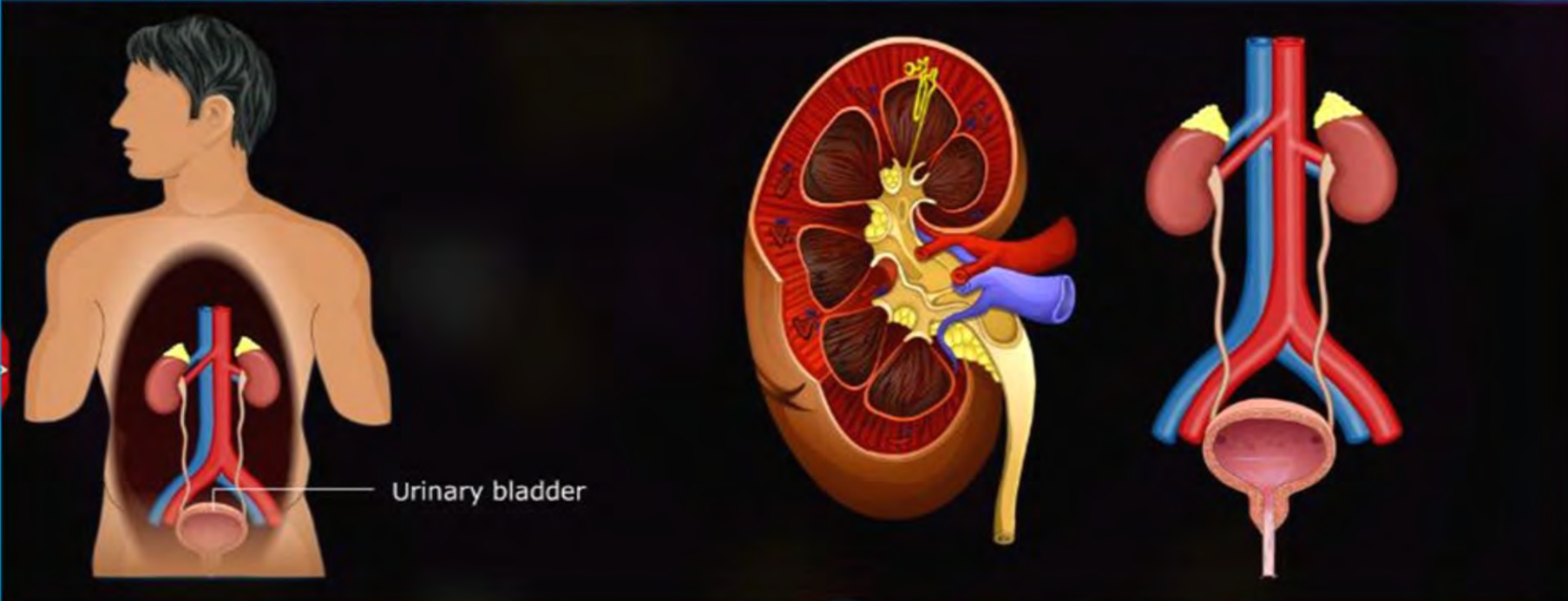
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Page 39/55

Biology
Chapter - 4: Excretion

SSC - Class X (As per new Syllabus w.e.f. 2014-15)

Excretory System in Human Beings - Ureters



Urinary bladder

Ureters:

- ◆ The movement of urine in the ureter is done by *peristalsis*.


Abc school pvt ltd

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Physical Science
Chapter - 1: Heat

SSC - Class X (As per new Syllabus w.e.f. 2014-15)

Activity 5 – Specific Heat : Nature of Material



Activity 5 – Specific Heat: Nature of Material

- ◆ Now fix them to a retort stand and set them in the hot water of jar.

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Abc school pvt ltd


Menu

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Physical Science
Chapter - 1: Heat

SSC - Class X (As per new Syllabus w.e.f. 2014-15)

Procedure Close



Lab Activity – 1: Determination of Specific Heat of Solids:

- ◆ Measure the mass of the calorimeter plus water and note down the same.

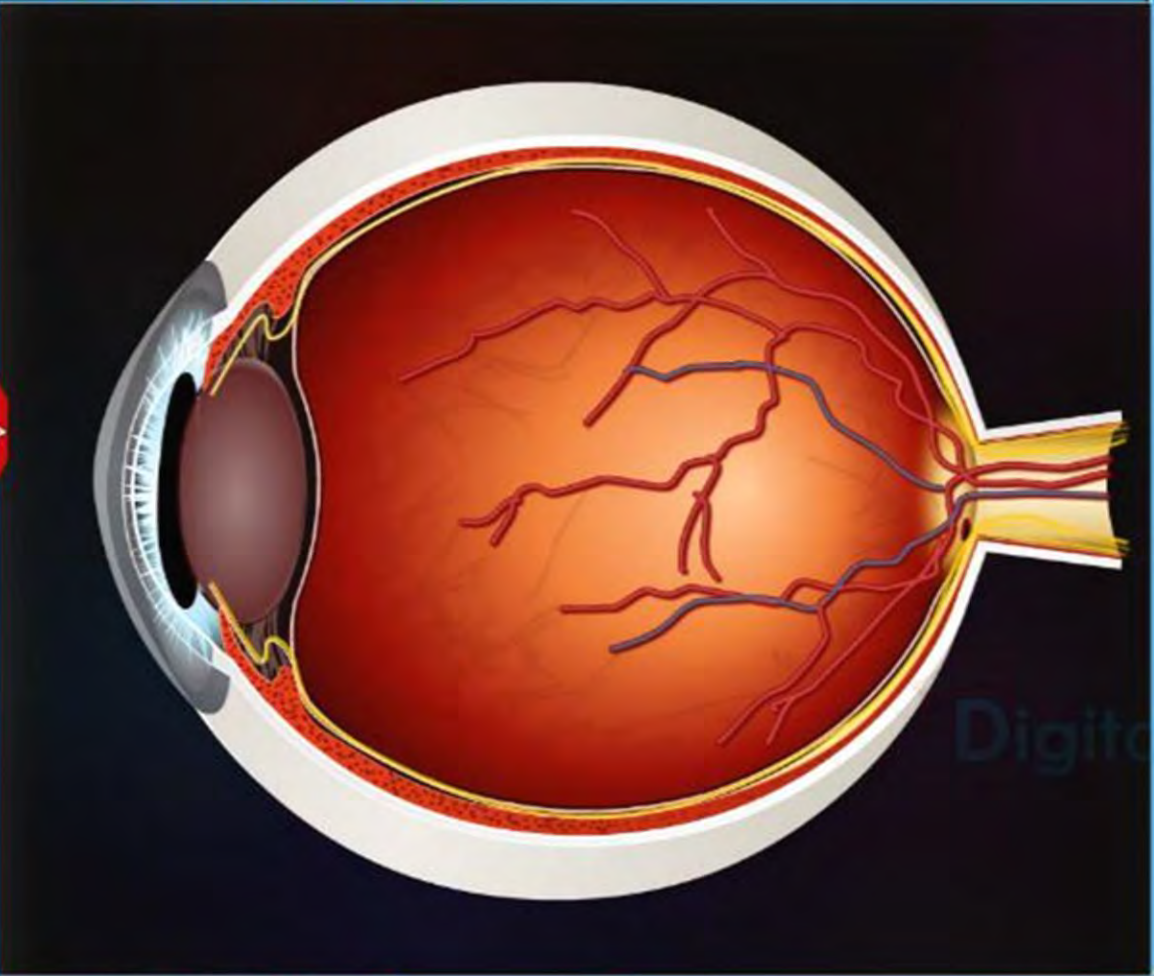
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Abc school pvt ltd Page 22/42

Physical Science
Chapter - 7: Human eye and Colourful world

SSC - Class X (As per new Syllabus w.e.f. 2014-15)

Biological Function of Eye



Biological Function of Eye:

- ◆ The major function of the eye is to work with the brain to provide us with vision.

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English
Unit-2: Wit and Humour

SSC - Class X (As per new Syllabus w.e.f. 2014-15)

C. The Brave Potter: The Brave Potter



Though the potter tried to say, he did nothing, villagers were not ready to listen him. They felt the potter is so modest. Everybody started calling him, 'The Brave Potter'.

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Right click & Enter your School name

Menu

Page 6/15

The screenshot displays the Digital Teacher.in Smart Classroom interface. At the top, the header includes the Digital Teacher.in logo, the subject 'English', the unit 'Unit-2: Wit and Humour', and the course 'SSC - Class X (As per new Syllabus w.e.f. 2014-15)'. Below the header, the lesson title 'C. The Brave Potter:' is shown. The main area features a 3D-rendered classroom scene with a female teacher standing at the front of a green chalkboard, addressing a group of students seated at desks. The interface includes a toolbar with various icons for navigation and interaction. At the bottom, there is a control bar with a 'Menu' button, a progress indicator, and a 'Page 8/15' display.

English
Unit-2: Wit and Humour
SSC - Class X (As per new Syllabus w.e.f. 2014-15)

Digital Teacher.in
Your e-note in teaching

C. The Brave Potter:

Right click & Enter your School name

Menu

Page 8/15

English
Unit-3: Human Relations
SSC - Class X (As per new Syllabus w.e.f. 2014-15)

A. The Journey: The Journey



The day I was to leave, people had come to wish me good luck. It was already 10:20 am and my father had already left with luggage.

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Right click & Enter your School name

Menu

Page 12/41



YouTube Links

Class

CBSE

VI

<https://youtu.be/WaLmWsAP14k>

VII

<https://youtu.be/C7Vv4bi9hVc>

VIII

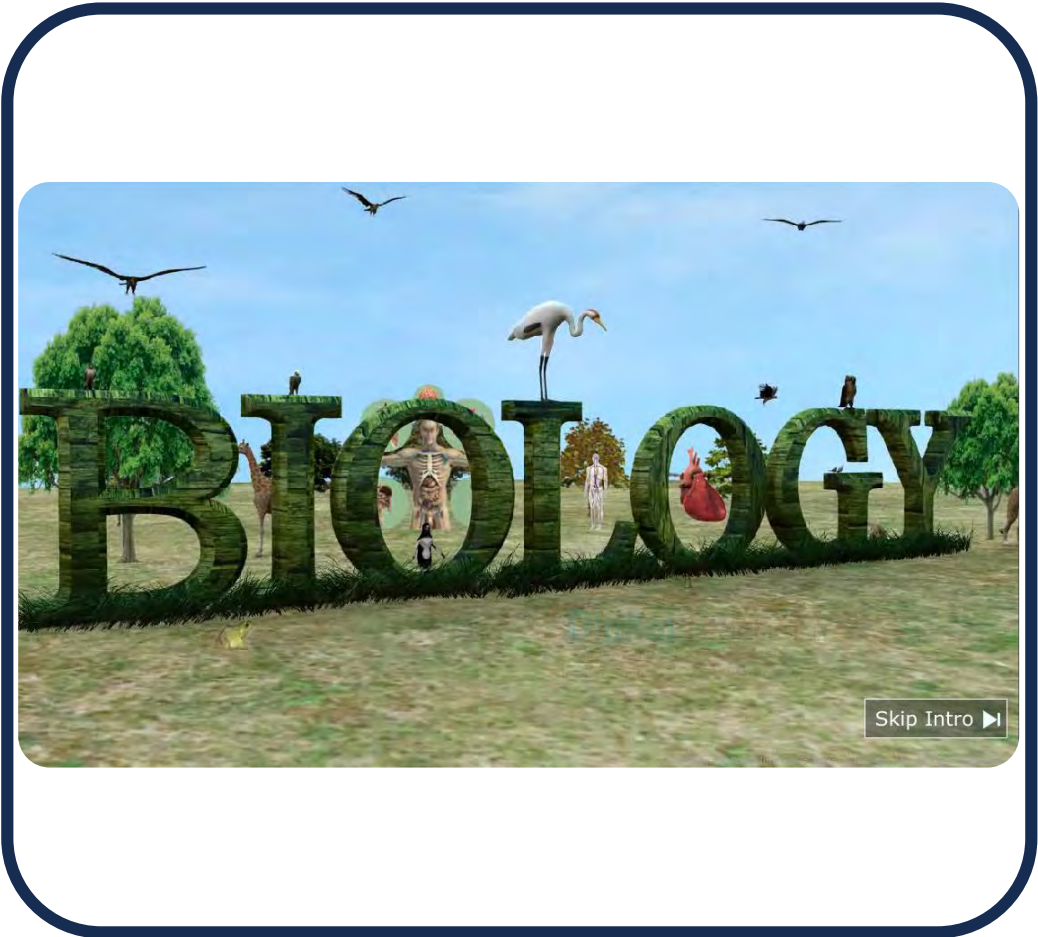
https://youtu.be/qMZKRHEh_H8

IX

<https://youtu.be/XBc-XA1JEq4>

X

<https://youtu.be/-EJTfExuwdM>





YouTube Links



Class

CBSE

VI

<https://youtu.be/ss1v8OhoXZs>

VII

<https://youtu.be/e6fzYCEwxFo>

VIII

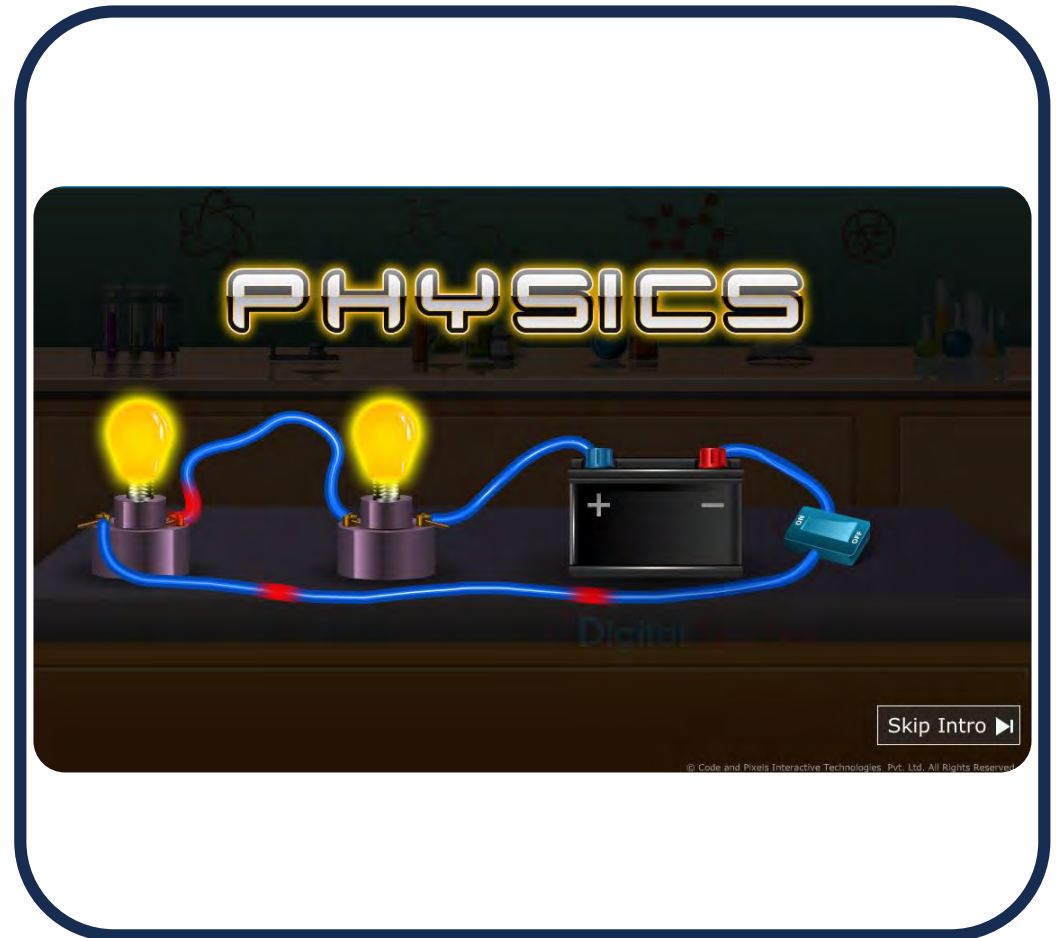
https://youtu.be/mb_jTMYMszo

IX

https://youtu.be/9sIP0Z-y__c

X

<https://youtu.be/mH6QQRCWF0M>



 **YouTube Links**



Class

CBSE

VI

<https://youtu.be/gFGpyqZicOo>

VII

<https://youtu.be/mmEZpHpNUVM>

VIII

<https://youtu.be/An9PsWRmzD0>

IX

<https://youtu.be/SZANmZxsYaU>

X

https://youtu.be/E_5Z-hJlvVQ





YouTube Links



Class

CBSE

VI

<https://youtu.be/W6WONA2NIZQ>

VII

<https://youtu.be/IMbGkF7sDMc>

VIII

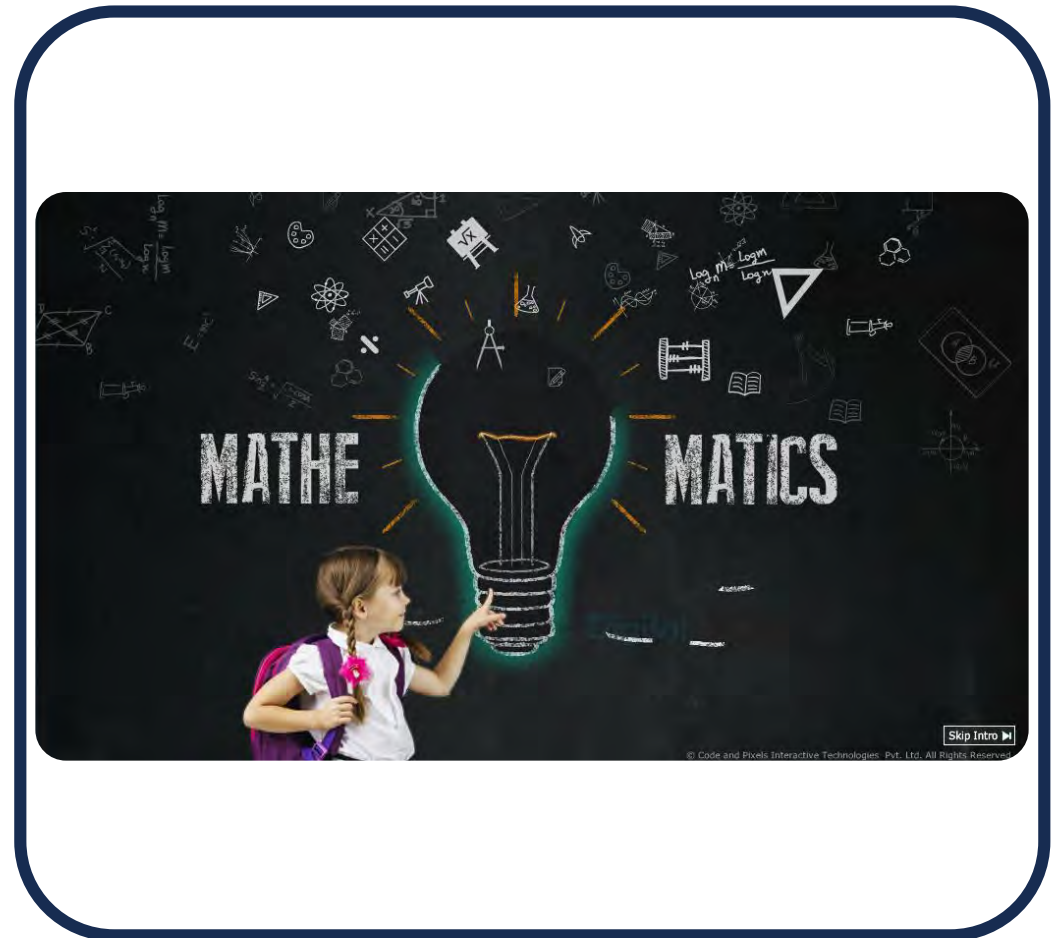
https://youtu.be/_apYWiUGgnQ

IX

<https://youtu.be/vquJA31AepI>

X

<https://youtu.be/FsoNAS3xqCo>





YouTube Links



Class

TS/AP State Syllabus

VI

<https://youtu.be/aCQSMKRY-pA>

VII

https://youtu.be/-4JP_czzsS4

VIII

<https://youtu.be/VbwsJJtIM18>

IX

<https://youtu.be/JGhc3-NExCo>

X

<https://youtu.be/ub9NUVkJZVss>





YouTube Links



Class

TS/AP State Syllabus

VI

<https://youtu.be/jjIGWWOEYaA>

VII

<https://youtu.be/kcYRuraymqU>

VIII

<https://youtu.be/nPFOfMcR6uw>

IX

<https://youtu.be/FjD-pQXtCCg>

X

<https://youtu.be/HbBXdSiF4H4>





YouTube Links



Class **TS/AP State Syllabus**

VI

<https://youtu.be/tpc8uQwEu-w>

VII

<https://youtu.be/49vP02k3mkM>

VIII

<https://youtu.be/NESzOpVIJ8s>

IX

<https://youtu.be/ij3qHqY2KFw>

X

<https://youtu.be/aODS4g zrNDs>



 **YouTube Links**



Class TS/AP State Syllabus

VI <https://youtu.be/AQfjatw3LUI>

VII https://youtu.be/o3_S_luPyM0

VIII <https://youtu.be/GW5kewXuL-o>

IX <https://youtu.be/eN27i2vzy7w>

X <https://youtu.be/Y1I7mVvqgEQ>



 **YouTube Links**



Class TS/AP State Syllabus

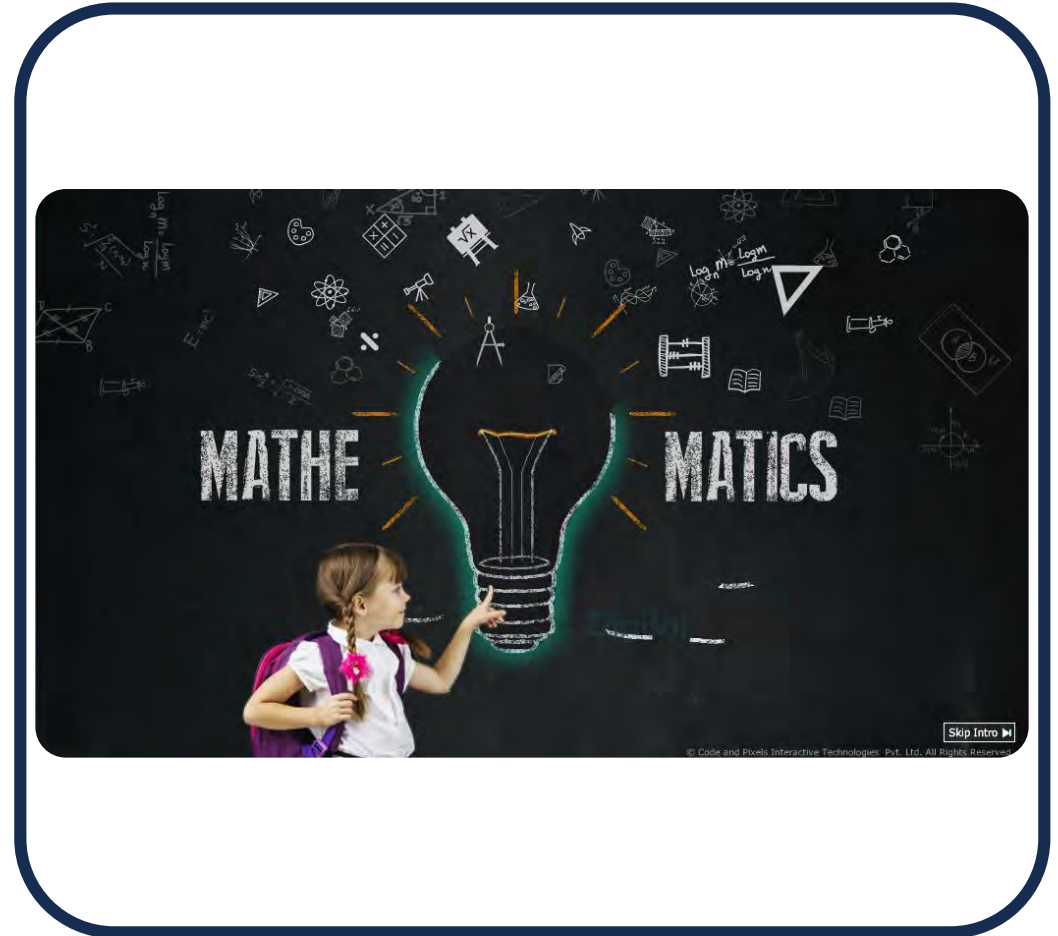
VI <https://youtu.be/YI9195OMdA4>

VII <https://youtu.be/2dPvS3MYqA8>

VIII <https://youtu.be/G9n8HbMdUIk>

IX <https://youtu.be/QqgC6sP6gzw>

X <https://youtu.be/VD8kMYCZXM8>



1TH TO 10TH SYLLABUS – SSC

1. English
2. Mathematics
3. Physical Science
4. Biology
5. Social Studies



NURSARY , L.K.G , UKG

1. English
2. Mathematics
3. Telugu
4. Hindi
5. EVS



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Try our other softwares...

- 3D Human Anatomy
- Vocabulary Builder
- Basics of Computer & IT

2019 Release (Version-7)
Developed as per state syllabus and being used successfully in more than serving 7500+ Schools across Telugu States.

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Tel: 099514 78604, 090000 90702. | Email: canvas@digitalteacher.in | www.digitalteacher.in



Digital Teacher™
English
Language Lab
.co.in

- Listening
- Speaking
- Reading
- Writing
- Phonetics
- Soft Skills

DIGITAL TEACHER is a 100% independent and Self-learning modern Language Lab (No teacher or Facilitator / Lab faculty is required to guide the student)

www.englishlab.co.in

Happy Clients

**AWARDS ARE GREAT, REFERENCES ARE AWESOME..
BUT WHAT IS THE MOST IMPORTANT TO US IS THAT, OUR CLIENTS ARE HAPPY !!**

Defence Organisations & OEMs



BFSI & Corporates



Universities



A blue-tinted background image of a call center. Several employees are seated at desks with computer monitors, some wearing headsets. The scene is brightly lit, suggesting a modern office environment.

OTHER PRODUCTS

**Independent and Self learning modern language
Lab (No teacher or Facilitator/Lab faculty is
required to guide the student**



Speaking • Listening • Reading • Writing • Phonetics • Soft skills

**Developed as per the “CEFR
(Common European Framework
of Reference)” and Cambridge
English Teaching Frame work
under guidance of Cambridge
English Trainer**



CEFR (Common European Framework of Reference) & Cambridge English Teaching Framework defines how to enhance skills in English

YouTube Links



Listening

<http://www.englishlab.co.in/listening>)



**Speakin
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<http://www.englishlab.co.in/Speaking>



Reading

<http://www.englishlab.co.in/reading>



Writing

<http://www.englishlab.co.in/writing>



Phonetics

<http://www.englishlab.co.in/phonetics>)



Soft Skills

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