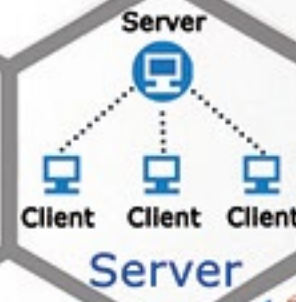


Serving 7000+ Schools



Digital Teacher.in™

Empowering Schools & Promoting Innovation through Digital Technology



VI TO X CBSE Digital Classroom Smart Classroom Solutions



Listening



Speaking



Reading



Writing



Phonetics



Soft Skills

Digital Teacher™

English Language Lab

Developed as per the "CEFR (Common European Framework of Reference) and Cambridge English Teaching Framework under guidance of Cambridge English Trainer.



www.englishlab.co.in



Call Now

080089 33331, 096407 78661

What/Why is Digital Teacher?



- ✓ The new syllabus is introduced following the CCE guidelines to meet the growing demand of practical understanding in school education.
 - ✓ Code and Pixels is offering a new learning aid to schools.
 - ✓ The product is an apt tool for learning subject using educational technology.
 - ✓ While the conventional visual assets of the content are two dimensional in nature and are mere models of reality, the technology based content assets of this product are next to reality.
 - ✓ The subject content is presented in different types namely, the concepts, laws/principles, theory, derivation, numerical problems and applications. School administrators can get every worth of their penny spent on this product by noticing the apparent change in the behavior of their ward towards the subject.
 - ✓ The product will be useful to students and school teachers equally.
 - ✓ The models are simplified substitutes of reality and help us in understanding complex systems in a step-by-step manner.
 - ✓ In this context, animations are used to present the models associated with a concept along with their uses and applications.
 - ✓ The product can be used straightaway by the teachers without any prior training.
 - ✓ Lab activities of the textbook are presented in a step-by-step manner using simulation, where the intervention of the learner is called for, in the form of input to progress further.
- Digital teacher content helps to improve "Scientific Temper"
 - Digital teacher content helps to "INSPIRE"
 - Digital Teacher helps to eliminate "Maths Fobia"
 - Digital Teacher prepares individuals to become "Global Citizens"
 - Digital Teacher content in social science helps to mould "Ideal Citizenship"

How is it beneficial?


- 👉 From Edger Dale's Cone of learning experience, the percentage of learning associated with different activities like reading, seeing, hearing and their combinations are as follows:



S.No.	Learning Activity	Percentage of Learning
1.	Reading	10
2.	Watching	20
3.	Hearing	30
4.	Watching and Hearing	50
5.	Speaking and Writing (Lecture)	70
6.	Speaking and Doing (Lecture cum Demo)	90

- ✓ The product allows the teacher to instruct the subject in such a manner that learning takes place through seeing and hearing, lecture and demonstration method.
- ✓ In this way, optimal delivery of learning experience can be ensured by the instructor.
- ✓ Pause/Play buttons embedded in the product allow the teacher to use the product at his or her own pace.
- ✓ Owing to its user-friendly features, school administrators can adopt this product as the standard teaching tool of science in their institution.
- ✓ The unit plan document provided with the product not only serves as a planning tool for teachers, but also helps the administrators in assessing the pace of syllabus completion.
- ✓ The administrators can ensure parents that their wards are given quality education using digital technology.
- ✓ The product can be used straightaway by the faculty without any prior training.
- ✓ It can also be used as an effective self learning material in teaching – learning process.

Features of the product:

- 
- 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.
 - The pace of instruction delivery is placed in the hands of the teacher through the **Overview** section of the product which gives a bird's eye view of the subject matter of a unit.
 - The content of the subject under **Instruction** section is divided into several types, namely, the "Concept Model/Activity", "Law/Principle", "Theory/Lab Activity", "Derivation/Numerical Problems" and "Uses/Applications", based on the nature of the science subject.
 - Concepts and processes presented using animation and procedures are shown using simulations requiring intervention through simple navigation system.
 - At the end of the syllabus coverage, important instructions are presented in a nutshell for the recapitulation of the learners in the **Summary** section.
 - Important **Keywords** are listed with links to the slides where their corresponding concept is covered in detail.
 - It is essential that the students remain mentally in touch with the subject matter taught in the classroom even after they leave the learning environment. For this reason, suggestions to the teachers on homework and project assignment for their students are provided under **Follow-up Work** section.
 - The third aspect of teaching learning process is evaluation. On the same lines, the third section of the product is **Evaluation**. Here, 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.
 - A **Dash Board** to see history of the user.
 - Bookmarking** of the topics
 - The content can be played on any System/Laptop, also on Android-based and Windows-based Smartphones.*
 - Drawing Skills** section imparts the required drawing skills to the student.

TECHNICAL FEATURES OF THE PRODUCT

Elements of Instruction

1. Unit Plan/Lesson Plan/Unit Overview
2. Concepts/Model/Activity/Theory
3. Law/Principle/Lab Activity/Virtual lab
4. Derivations/ Numerical Problems
5. Real life Applications/uses
6. Summary/Assignments /Follow-ups
7. Assessments/Keywords

Media Features

- Rich Graphics
- Animation (2D and 3D)
- Images
- Videos
- Voice over
- Drawings, Diagrams
- Tables, Graphs, Text

Navigation Features

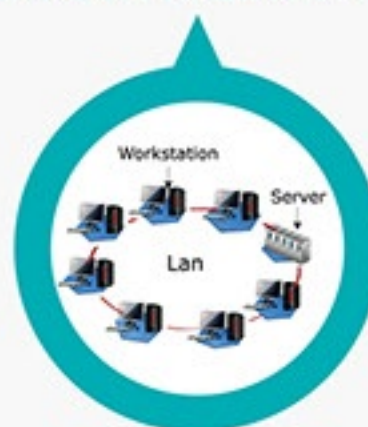
- User-Friendly Interface/Navigation
- Inbuilt Interactive Board/Search
- Index/Menu/Topics List/Play/Pause
- Audio/Mute/Next & Previous Topic/Reply
- Seek bar/Glossary/References/Notepad
- Master Page/Subject Home/Print/Book Mark

Content can be played on multiple platforms

Standalone Systems (Desktops, Laptops)
Encrypted CD Drive/USB Drive



Local Area Network,
Client-Server Environment



Tablet, Smart Phone



BIOLOGY

- Digital teacher content helps to improve “Scientific Temper”
- Theories are shown using illustration and animation. Facts of the subject are presented using Smart Art.
- The content of the theory is broken down into three subsections, namely, **Hypothesis/Assumptions, Scientific Explanation and Learning.**
- Activities are presented in a step-by-step approach with three subsections, namely, **Activity, Observation and Learning.**
- The concepts involving models are also presented using animation and illustration.
- Lab activities and follow-up activities/projects are presented.
- Flowcharts and Mind maps are also presented for better understanding.
- Activities to improve Manipulation (drawing) skills are also included.
- Effective reinforcement through feedback.



PHYSICS



CHEMISTRY

- Digital teacher content helps to “INSPIRE”
- The activities of the textbook are further divided into **Activity, Observation and Learning** sections to further aid the teacher to teach the concepts using scientific methods.
- The working of the universe is complex and incomprehensible when considered as it is. Science tries to understand nature using models and expresses its understanding in the scientific language of mathematics.
- The models are simplified substitutes of reality and help us in understanding complex systems in a step-by-step manner.
- In this context, animations are used to present the models associated with a concept along with their uses and applications.
- Theories of the subject are presented by specifying their components like **Assumptions/Hypothesis, Scientific Explanation and Predictions.**

- Digital Teacher helps to eliminate “Maths Fobia”
- The introduction of a lesson is presented using animations based on daily life scenarios.
- Mathematical formulae, Important mathematical signs and symbols.
- Theorems are divided further into **Given, Required to Prove, Construction, Proof and Conclusion** sections.
- Procedure of solving different types of problems from a lesson is presented in a step-by-step approach.
- The applications of the lesson learnt in daily life and in industry are presented at the end of the lesson.
- Enough number of problems are presented to the student for practicing on their own.
- Graphical and pictorial representation to visualize concepts clearly.
- Comfortable and simplified procedural steps in problem solving.
- Suggested follow-up activities to improve skills like speed and accuracy.
- “Do this”, “Try this” sections to develop hands on experience and interest

MATHEMATICS





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

CBSE

6th
Class

7th
Class

8th
Class

9th
Class

10th
Class



Basics of Computer
& IT

Vocabulary Builder

Try our other softwares...

English Language Lab

3D Human Anatomy

May 2018 Release (Version-6)

Developed as per CBSE syllabus and being used successfully
in more than 5000 schools across India.

Click the Class icons to start the DIGITAL COURSE



Reach us on:
080089 33331
096407 78661



CODE AND PIXELS INTERACTIVE TECHNOLOGIES PRIVATE LIMITED

Registered Office, R&D Centre - 266, South End Park, L.B. Nagar, Hyderabad, 500068.
Tel: 0900 009 0702, 0995 147 8604 | Email: sales@digitalteacher.in | www.digitalteacher.in

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

CBSE
10th
Class

PHYSICS
BIOLOGY
CHEMISTRY
MATHEMATICS

CODE & PIXELS
Interactive Technologies Private Limited
An ISO 9001:2015 COMPANY

Click the subject icons to start DIGITAL COURSE

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

Class X - Biology
Chapter-1: Life Processes

Developed as per CBSE syllabus

1.3 Transportation : Overview

Transportation

- Transportation in Human beings
 - Activity 1: Feeling the pulse
 - Activity 2: Observing pulse rate with matchstick stethoscope
 - Activity 3: Observing the Relationship Between Pulse Rate and Heart-Beat
 - Introduction to structure of the heart
 - Activity 4 (Lab activity): Observation of internal structure of the heart
 - The blood vessels and circulation
 - The cardiac cycle
 - Single/double circulation
- Evolution of transport system
 - Activity 5: Blood vessels and circulation
 - Activity 6: Arteries and Veins
 - Blood capillaries
- Transportation in Plants
 - Activity 7: Absorbing root hairs
 - Activity 8: Root pressure
 - Activity 9: Transpiration
 - Mechanism by which water travels through the plant
 - Transport of mineral salts
 - Activity 10: Transport of manufactured food by Aphid
 - Activity 11: Transport of manufactured food by removing bark of a tree

Right click & Enter your School name

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

Class X - Biology

Developed as per CBSE syllabus

Chapter-1: Life Processes
1.1 Nutrition
1.2 Respiration
1.3 Transportation
1.4 Excretion
Chapter-2: Control and Co-ordination
Chapter-3: Reproduction
Chapter-4: Heredity and Evolution
Chapter-5: Our Environment
Chapter-6: Management of Natural Resources

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

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

Class X - Biology
Chapter-1: Life Processes

Developed as per CBSE syllabus

1.3 Transportation

Transportation

Right click & Enter your School name

Class X - Biology
Chapter-1: Life Processes

1.3 Transportation : Blood Pressure

First reading:

- Indicates the strongest pressure during the time, blood is forced out of the ventricles. This is called systolic pressure.

Right click & Enter your School name

Class X - Chemistry
Lab Activities

Chapter - 2: Acids, Bases and Salts

Lab Activity 3: Common Elements in All Acids and All Bases - Observation

Lab Activity 3: Common Elements in All Acids and All Bases

- The bulb starts glowing in the case of Hydrochloric acid and Sulphuric acid, but does not glow in the case of Glucose and Alcohol solutions.

Right click & Enter your School name

Class X - Physics
Lab Activities

Chapter - 3: Electricity

Lab Activity 3: Length of the Conductor and Resistance - Procedure

Lab Activity 3: Length of the Conductor and Resistance

- Measure the value of current (readings on the ammeter) and note down in your book.
- Repeat the same procedure for other lengths of iron rods.
- Measure the value of current in each case and note down in your book.

Right click & Enter your School name

Class X - Chemistry
Chapter - 1: Matter in Our Surroundings

Diffusion of Solids, Liquids and Gases

Diffusion of Solids, Liquids and Gases

- Diffusion, therefore, is a very important process for living things.
- Oxygen diffuses from lungs into blood.
- Carbon dioxide diffuses from blood into lungs.
- Solids, liquids and gases diffuse into liquids and rate of diffusion of gases is higher than that of liquids or solids.

Right click & Enter your School name

Class X - Physics
Chapter-2: Human Eye and Colourful World

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.
- In the human eye, ciliary muscles hold the lens in position.
- These muscles help the eye lens to adjust its focal length by changing radii of curvature of eye lens.
- The ciliary muscles are relaxed when the eye is focused on a distant object.
- Hence, the focal length of eye lens has its maximum value which is equal to its distance from the retina.
- Similarly, the ciliary muscles are strained when the eye is focused on a closer object.
- Here, the focal length of eye lens decreases from its maximum value.
- The ciliary muscles adjust the focal length in such a way that, the image is formed on retina.

Right click & Enter your School name

Class X - Mathematics
Chapter-11: Constructions

Theorem: Construction of Tangent to a Circle - Length of the Tangent

Example: Find the length of tangent to a circle with centre 'O', Radius of the circle = 6 cm. Distance from center to point 'P' is OP = 10 cm

Solution:

Given: Radius of the circle 'OA' = 6 cm.
Distance from center to point 'P' is OP = 10 cm.

We know that Tangent is perpendicular to the radius at the point of contact.
Tangent = PA and
Radius = OA
 $\therefore OA \perp PA$ i.e., $\angle OAP = 90^\circ$

In the triangle $\triangle OAP$,
 $OP^2 = OA^2 + PA^2$... (1) (as per Pythagoras theorem)

Substitute the values of OP and OA in equation (1)
 $\therefore PA^2 = 64$

Apply square root on both sides we get
 $\sqrt{PA^2} = \sqrt{64}$
PA = 8 cm

Result: The length of the tangent is found with respect to Pythagoras theorem is PA = 8 cm.

Right click & Enter your School name

Class X - Physical Science
Chapter - 2: Chemical Equations

Activity 3: Example-3 of Chemical Reactions - Initial Activity

- Take a few Zinc granules in a conical flask
- Add 5 ml of dilute hydrochloric acid into the flask

Right click & Enter your School name

Class X - Mathematics
Chapter - 11: Constructions

Examples - Construction of Angles 75° and 105°

Example 1: Construct the angles 75° and 105° using ruler and compass and verify by measuring them with a protractor.

Given: Angles 75° and 105° .

Required to Prove: To construct angles 75° and 105° .

Steps of Construction:

Step 4: Join OB, OC. Thus, the angles made by $\angle QOB = 60^\circ$ and $\angle QOC = 120^\circ$

Step 5: Bisect angle $\angle BOC$ by constructing angle bisector OR.

Step 6: $\angle QOS = \angle SOT = 60^\circ$ and $\angle SOR = \angle ROT = 30^\circ$, thus, angle $\angle QOR = \angle ROP = 90^\circ$.

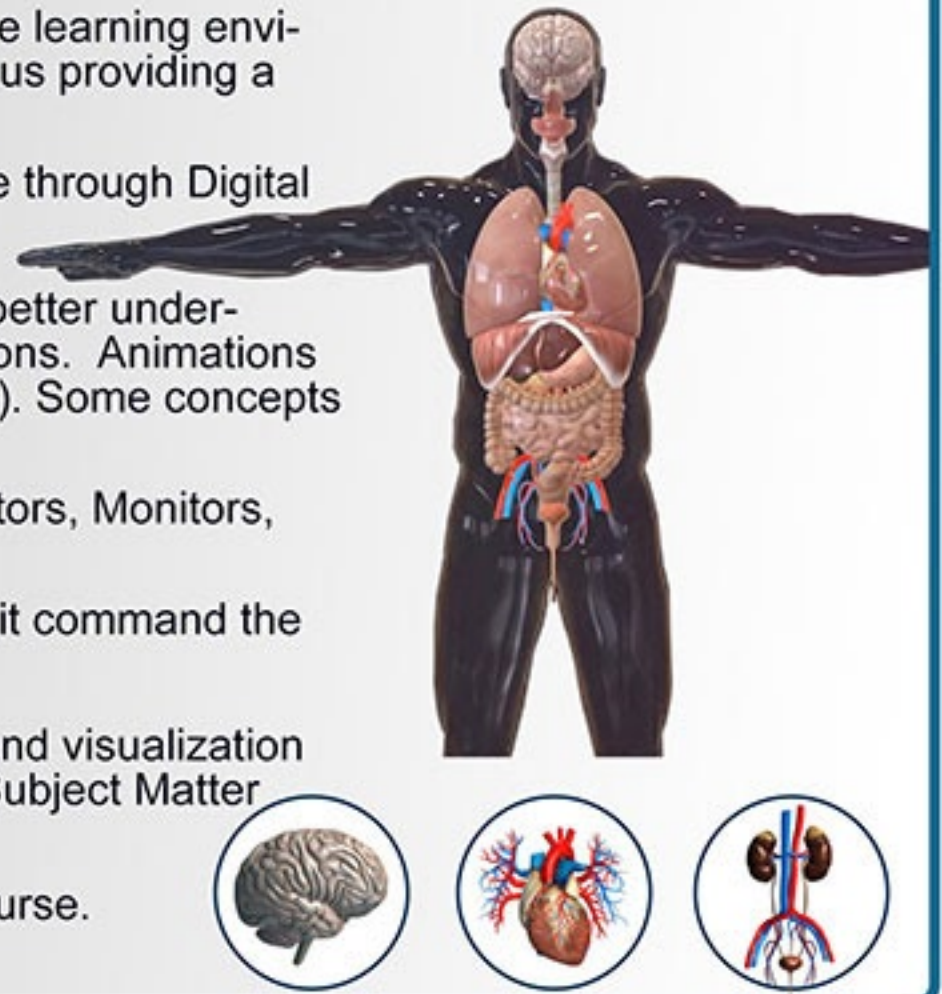
Step 7: Construct OY to bisect $\angle ROS$. Thus, angle made by $\angle SOY = 75^\circ$.

Right click & Enter your School name

Human Anatomy

- Multimedia combines five basic elements of media into the learning environment: Text, Video, Sound, Graphics and Animation, thus providing a powerful new tool for education.
- All these elements are required to disseminate knowledge through Digital Content.
- Some concepts require real-time Images and Videos for better understanding. Some topics are better explained using animations. Animations are of 2 types, 2 dimensional (2D) and 3 dimensional (3D). Some concepts are better explained using 3D.
- In recent years, 3D entered our lives through TVs, Projectors, Monitors, and Computers etc.
- 3D technology is widely used in the field of education, as it commands the attention of the student.
- We have added 3D animations for better understanding and visualization of the imaginary concepts as per the suggestions of the Subject Matter Experts.

To start with, we have developed Human Anatomy 3D course.



Basics of Computers & IT

- It is a gadget-driven world. IT has entered our daily lives and has become an integral part of our life. Every day, we hear about many technologies and IT terminology i.e., Cloud computing, Memory, Android OS, Online, e-commerce, web chat, video calling, social network and so on in our life.
- Each topic is an ocean and there is no end for learning about each topic. Our attempt to develop this CBT is to introduce Information Technology terminology and Basics of computers to the students. Information Technology covers a broad spectrum of Hardware & Software solutions.
- This CBT is designed exclusively for the people who don't have familiarity about Computers and Information Technology. At the end of the course, you will not be able to get mastery about computers and IT but you will be well-informed and knowledgeable about Information Technology terminology and computer basics.
- We have tried to cover terminologies which we come across often in our day-to-day life.



Vocabulary Builder



- Researchers have stated that vocabulary deficiencies are a primary cause of academic failures. Research indicates that low levels of vocabulary can have an impact on reading and therefore, writing.
- These researchers profess that direct and explicit instruction of a set number of vocabulary words will improve academic success in all content areas.
- Learning 500 words each year may improve learning by as much as 10 to 30%.
- Have you ever noticed a film heroine whose mother tongue is not Telugu, speaking Telugu?
- Similarly collectors, where ever they get posted, learn the local language in a month's time. How is this possible? What is their secret of their speaking? How do they achieve this?
- How do they understand the language in just a few months and start talking fluently in a year?
- Whatever may be the language, vocabulary is very important. If you know 2000 words in any language, you understand what the others are talking. If we have a vocabulary of 5000 words, then we can speak fluently.
- Knowing the words is not enough. We need to keep using the words while speaking, where ever possible.
- This Vocabulary Builder tool has 5000 + Words which are used in our day-to-day life and can be used by anyone from a 5 year old kid to a 25 year old person.



L istening



S peaking



R eading



W riting



P honetics



S oft Skills

Digital Teacher™

English

Language Lab

Developed as per the "CEFR (Common European Framework of Reference) and Cambridge English Teaching Framework under guidance of Cambridge English Trainer.

KEY AREAS

Digital Teacher English Language Lab not only enhances vocabulary, but also focuses on the finer shades of language like grammar, pronunciation, intonation, modulation, phonetics, MTI and syllabic division. Learners learn without any fear or embarrassment which helps build their confidence and proficiency in the language.

435 Learning Sessions cover complete Language Lab

VOCABULARY

5000+ words (8 levels) with picture representation helps the students in learning new words.

GRAMMAR

Student can gain complete grammar knowledge.

INTONATION

Improving the knowledge of English by mastering variations in volume, pitch, speed and stress.

ASL

Model used for Assessment of speaking and listening skills to communicate, enrich and evaluate the learner's proficiency.

PHONETICS

The accent of different words made easy through phonetics.

Modulation: Modulation helps to achieve precision in pronunciation.

Syllabic division: Almost 3000+ syllabic words are used from Mono syllabic to Hexa syllabic.

PACE OF SPEECH

Pace is a key to effective communication, in which the speech is clearly understood and made interesting.

MTI

A focus on 'Mother Tongue Influence' (MTI) to overcome pronunciation differences of consonant sounds using mouth movements.

FLUENCY

In order to improve fluency Audio/Visual applications based on stress, intonation and modulation are practiced.

SPEECH SOUNDS

Pronunciation of consonants and vowel sounds made easy with correct syllabic division and stress patterns.

PRONUNCIATION

2000+ difficult words to recite for better pronunciation.

SOFT SKILLS

6 hours of various topics related to soft skills are covered, i.e., Self, Communication Skills, Presentation Skills, Group Discussion and Interview Skills.

What is Lab?

- Physics Lab or Biology Lab or any lab is a place where we do experiments and practice and learn things.
- What we are taught in theory classes are practiced in Lab provides hands-on experience.
- Lab faculty guides us in performing experiments or learning process. Lab faculty corrects us we do something wrong. Lab allows us to practice until we are successful.

Lab is a place where we have different tools and materials to practice and improve our skills.

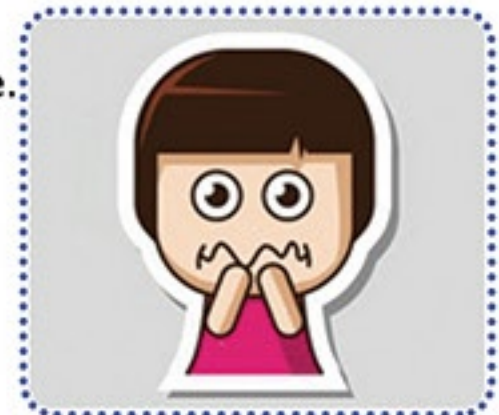


What is Language Lab?

- Similarly, a language lab is a place where we learn language.
- The way we have tools, equipment, chemicals, and specimens in our science labs, in English language Lab, we have number of tools which teach and guide us to learn and practice language.
- Language lab is the software which enhances the skills of a student Language lab teaches English and enhances ability to Listen, Speak, Read and Write.
- We haven't taken any special training to speak and understand our 'mother tongue'.
- A child listens to his mother and understands and tries to repeat the words and mother corrects the words. Mother teaches words, vocabulary and child tries to speak exactly like a mother and child pronounces wrongly then mother corrects the child. In the process, the child learns.
- Listening and Speaking are the skills which require massive practice. Everyone associated with the child speaks mother tongue which makes child to understand faster.
- Whereas in India, English is second language. It is a foreign language. We need to learn the language. Not many around us and in our society and houses speak English. So we don't get ample opportunities to listen and speak and practice.
- To improve skill in any language one must listen and speak in an order and follow the system of that language.

Fear of Speaking:

- If we were born and brought up in a society where English is first language, then we would have been experts in speaking English naturally.
- Many students don't get an opportunity to speak English.
- Writing and speaking are two different skills.
- Writing is a slow process and the brain gets time to frame words while we write. But speaking is a fast process where we don't get much time to frame words. So we need to frame words very quick while we are speaking.
- That is possible only when we practice continuously.
- We fear that we may not speak correctly. So, we don't speak in English.
- We fear that people will laugh at us if we make mistake.
- For that many experts advise us to talk in front of a mirror.
- Yes. Partially that can be done. The person who is in front of the mirror is you. The person in the mirror may not laugh at your mistakes. He may not be able to correct your mistakes. He will not be able to guide you.





- So you need to talk to a person who wouldn't laugh at you and who corrects, guides, teaches and enhances your English speaking skills.
- English language lab does the same thing. It teaches you a sequential manner so that you improve your skill faster and accurately.
- English language lab is a virtual mentor to enhance English skills.

Why a Language lab? Benefits of Language Labs.

- Language labs are becoming highly valued in schools, colleges and universities because they offer students a structured e-learning environment that is successful and reliable.
- Listening, Speaking, Reading and Writing (LSRW) are the four skills which play an important role in the acquisition of language and learning.
- English Language Lab has had a tradition of helping learners improve their English, whether for work, personal enrichment or English for Academic Purposes (EAP).
- The language lab is a very useful tool that facilitates classroom engagement and interaction via computer-based exercises and activities to maximize language immersion.
- These labs provide a very different experience from the traditional system of teaching and learning languages, offering more advanced features and functionalities.

Why Digital Teacher English Language Lab?

- CEFR (Common European Framework of Reference) and Cambridge English Teaching Framework defines how to enhance skills in English.
- We have designed a lab as per their instructions and customized examples and scenarios as per the standards of learners in India
- This software is specifically designed for learners in India
- The system ensures a stress free environment with high quality digital content.
The software allows learners a private environment for self-paced practice.
- Keeping the importance of a teacher in mind, Digital teacher Language Lab provides teacher handbook and sessions planner.

Common European Framework of Reference (CEFR)

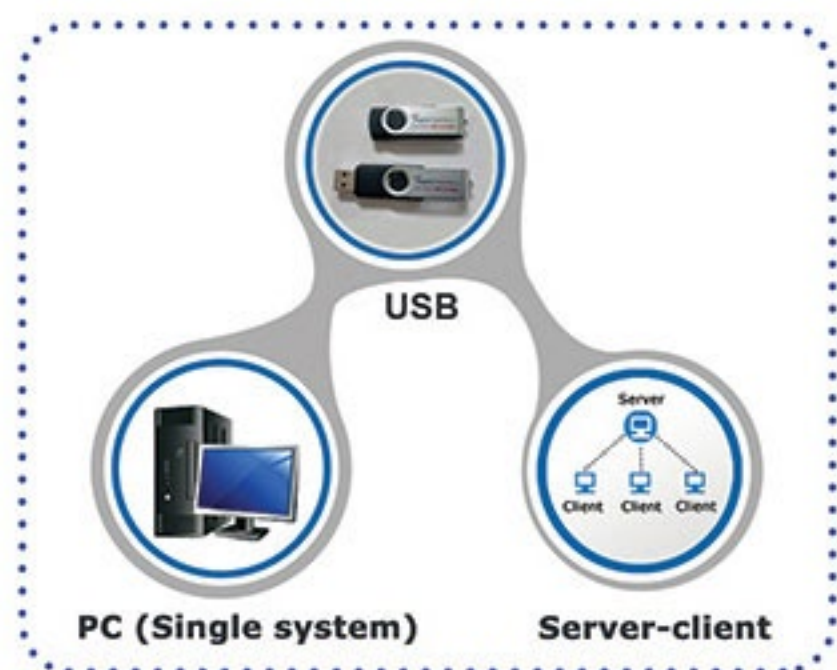
Basic	A1 & A2
Intermediate	B1 & B2
Mastery	C1 & C2

Blended Learning Solution

Blended learning methodology contains both ILT (Instructor Led Training) and CBT (Computer Based Training). In ILT, an Instructor interacts with the students in executing the activities whereas in CBT student can perform them alone

English Language Lab

Modes of Delivery / Distribution / Installation



1. Client-Server Technology:

Software will be installed in Server and Nodes (Systems) connected to server can access the software.

2. PC (Single system):

Software is installed in single system.

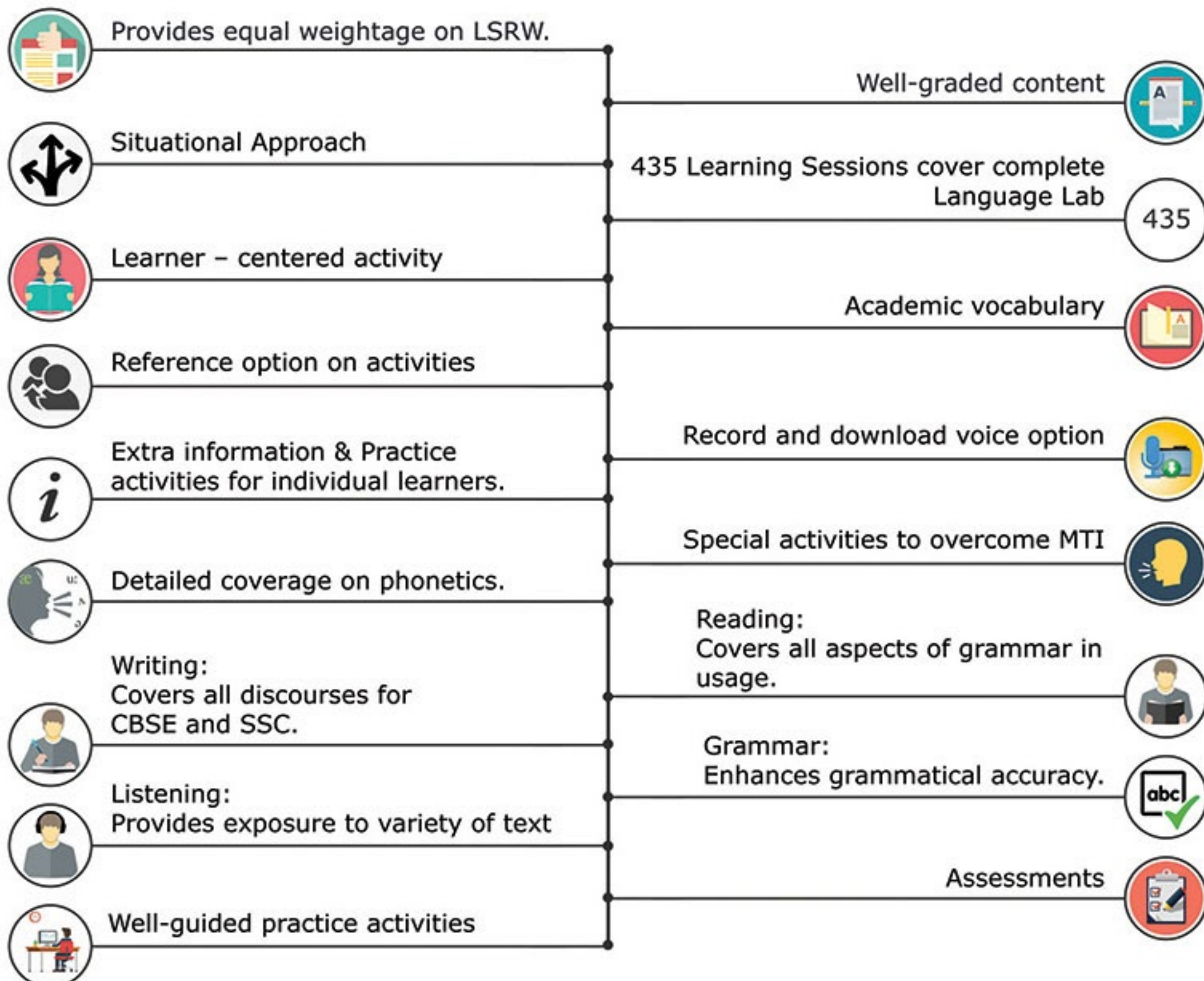
3. USB drive:

Software will be available in USB drive, and user can plug in USB and run software on any system.

- Technical support through a helpdesk
- The existing Computer Labs infrastructure can be used as Language Labs; no need for additional infrastructure
- Software works on ZERO clients and Thin clients

Hardware required : System + Headset with Mike

Features of English Language Lab





When?

- Lectures, (note-taking) tutorials, group discussions
- Brainstorming, presentations
- Q & A, instructions- induction, library, Every-day life

Importance

- Improves speaking and pronunciation
- Develops inter-personal skills
- Receptive skill that needs active participation

Tune in!!

- Active listening requires participation not passive reception
- Engage with the sounds & words
- Ensure you are aware of the subject before lectures.
- Read key vocabulary & do background reading
- Mental repetition, Ask for clarification
- Listen to radio, TV other media

Issues

- Uncertain comprehension
- Speed of speech
- Familiarity with local speech (accents and vocabulary)
- Missing words /concepts/instructions
- Lack of confidence to ask for repetition



Click each LEVEL icon to start the lesson.



Listening/Level A1

English Language Lab

- Activities on Letter(s) / Word(s)
- Activities on Paired Letters / Words
- Activities on Picture
- Activities on Actions
- Where is it?
- Our Surroundings
- Stories
- Assessments

Objectives

Listening

- 1.To enable students to develop their listening skill so that they may appreciate its role in the LSRW skills approach to language and improve their pronunciation.
- 2.To equip students with necessary training in listening so that they can comprehend the speech of people of different backgrounds and regions.

Click each unit to know more.

Listening/Level A2

English Language Lab

- Announcement
- General Stories
- Moral Stories
- Inspirational Stories
- Assessments

Objectives

1.To enable students to develop their listening skill so that they may appreciate its role in the LSRW skills approach to language and improve their pronunciation.

2.To equip students with necessary training in listening so that they can comprehend the speech of people of different backgrounds and regions.

Click each unit to know more.

Listening/Level B1

English Language Lab

- Blood Relations
- Conversations
- Action Words
- Parts of Speech
- Directions
- Speech
- Assessments

Click each unit to know more.

Listening/Level B2

English Language Lab

- Radio Talk
- Form Filling
- Historical Monuments
- Scrambled Sentences
- Describing an Activity
- Summarizing a Story
- Assessments

Click each unit to know more.

Listening/Level C1 English Language Lab

- News Bulletin
- Describing a Dish
- Identifying Synonyms & Antonyms
- Seating Arrangement
- Current Affairs
- Press Meet
- Lecture
- Speech
- Presentation
- Assessments

Listening/Level C2 English Language Lab

- Tour Experience
- Weather Report
- Debate
- Interview Board
- Movie Story
- Autobiography of Famous Personalities
- Importance of a Day
- Lecture
- Speech
- Presentation
- Assessments

Listening/Level A1 Activities on Paired Letters / Words English Language Lab

Paired Letters/Words: Practice Activity: 8

Listen to the audio and select the **second word** you hear. Click submit button to verify your answers.

Audio	Words	Result
	1. Sing / Ring / Wing <input type="radio"/> Sing <input checked="" type="radio"/> Ring <input type="radio"/> Wing	✗
	2. Talk / Chalk / Walk <input checked="" type="radio"/> Talk <input type="radio"/> Chalk <input type="radio"/> Walk	✗
	3. Pool / Cool / Tool <input type="radio"/> Pool <input checked="" type="radio"/> Cool <input type="radio"/> Tool	✗
	4. Bell / Well / Tell <input type="radio"/> Bell <input checked="" type="radio"/> Well <input type="radio"/> Tell	✓
	5. Bed / Red / Led <input checked="" type="radio"/> Bed <input type="radio"/> Red <input type="radio"/> Led	✓

Show Answers Reset

Listening/Level A1 Stories English Language Lab

Stories: Practice Activity: 3

Listen to the following story and answer the questions that follow.

1. _____ and Laxmi were playing under the mango tree.
 a Ravi b Ramu

2. _____ has four puppies.
 a Tommy b Brownie

3. What is the name of the kitten?
 a Lucky b Snoopy

Listening/Level C2 Tour Experience English Language Lab

Tour Experience: Practice Activity: 2

Listen to the audio and select the appropriate answer from the given options. (In case of wrong attempt, drag the audio seekbar to listen the audio again to answer accurately).

1. According to the narrator, who is the most important person in his life?
 Mum Dad Grandpa Grandma

2. What was the feeling of the narrator when he saw his grandpa for the first time?
 thief stranger relative Known person

3. Narrator compared his grandpa to which of the following professions?
 doctor lawyer policeman actor

4. What is the object of grandpa that narrator use to steal?
 glasses Walking stick Teeth set mobile

Listening/Level A1 Where is it? English Language Lab

Where is it?: Practice Activity: 1

Listen to the audio and select the appropriate picture from the given options. Click submit button to verify your answers.

S. No.	Audio	Options
1.		<input type="radio"/> <input type="radio"/>
2.		<input type="radio"/> <input type="radio"/>
3.		<input type="radio"/> <input type="radio"/>
4.		<input type="radio"/> <input type="radio"/>

Submit Reset

Listening/Level B1 Parts of Speech English Language Lab

Parts of Speech: Practice Activity: 3

Listen to the audio clip and find out the **verb** you hear in the sentences. Click submit button to verify your answers.

-
-
-
-
-

Submit Reset

Listening/Level C2 Importance of a Day English Language Lab

Importance of a Day: Practice Activity: 4

Listen to the given audio and state whether the statements are true or false. Click submit button to verify your answers. (In case of wrong attempt, drag the audio seekbar to listen the audio again to answer accurately).

Sentence	True	False
1. We celebrate Teachers' Day on 6 th September ?	<input type="radio"/>	<input type="radio"/>
2. Dr. Sarvepalli Radhakrishnan became the President on the Death of Dr. Rajendra Prasad?	<input type="radio"/>	<input type="radio"/>
3. Teachers' Day in India is observed on the birthday of Dr. Rajendra Prasad?	<input type="radio"/>	<input type="radio"/>
4. We owe more to our teachers than we owe to even our parents?	<input type="radio"/>	<input type="radio"/>

Submit Reset



Speaking



When?

- Tutorials, seminars, presentations
- Q & A in lectures
- One-to-one sessions (personal tutor, doctor, employer etc.)
- Class group discussions, Group task work

Importance

- Most obvious skill
- Most interactive skill
- Develops understanding through communication
- Develops inter-personal skills (team working)
- Used in assessment

Take every opportunity to speak

- Ask questions!
- Use Academic Skills resources (presentation space)
- Observe native speakers
- Repeat, Ask for clarification

Issues

- Lack of confidence
- Uncertain about -timing/vocabulary/interaction
- Decoding of non-verbal information
- Lack of knowledge of presentation skills



Click each LEVEL icon to start the lesson.



Speaking/Level A1

English Language Lab

- Practice Words
- Vocabulary
- Vocabulary - Science
- Vocabulary - Maths
- Let us Speak - Pair Work
- Getting Ready to Speak
- Questions on Pictures
- Conversations
- Conversations at School
- Conversations at Home
- Conversations at Other Places

Speaking/Level A2

English Language Lab

- Practice Words
- Vocabulary
- Speak on a Topic
- Conversations at School
- Conversations at Home
- Conversations between Friends
- Conversations at Other Places

Click each unit to know more.

Speaking/Level B1

English Language Lab

- Practice Words
- Vocabulary
- Likes and Dislikes
- Opinion on a Topic
- Conversations at School
- Conversations at Home
- Conversations between Friends
- Conversations at Other Places

Click each unit to know more.

Speaking/Level B2

English Language Lab

- Practice Words
- Vocabulary
- Conversations between Friends
- Conversations at Other Places

Click each unit to know more.

Speaking/Level C1 English Language Lab

Practice Words

Vocabulary

Likes and Dislikes

Conversation between two friends

Conversations at Other Places

CLICK each unit to know more

Digital Teacher

Speaking/Level C2 English Language Lab

Practice Words

Vocabulary

Debate

Likes and Dislikes

Opinion on a Topic

Speech

Conversation between two friends

Conversations at Work Place

Conversations at Other Places

CLICK each unit to know more

Digital Teacher

Speaking/Level A1 Practice Words English Language Lab

Practice Words

Click play button to listen the pronunciation of the words and then click on record button to record your voice. Later click on the verify button to compare your voice and finally download your recorded voice by clicking on download button.

Word	Play	Record	Verify	Download your voice
Stay /steɪ/				
Lap /læp/				
Waiting /ˈweɪtɪŋ/				
Running /ˈrʌnɪŋ/				

Previous 1/10 Next

Digital Teacher

Speaking/Level A1 Getting Ready to Speak English Language Lab

Getting Ready to Speak: Practice Activity: 1

Observe the given images, and record the words by pressing the record button. Click sequential playback button to listen your voice.

S.No	Image	Words	Record
1		Sitting	
2		Bathing	
3		Standing	

What is the Elephant doing?

Ref. Audio

Digital Teacher

Speaking/Level A1 Conversations English Language Lab

Conversations - Practice Activity: 3

Imagine yourself as Reshma, and answer to the questions asked by Ram. Click sequential play back button to listen expert voice and your voice simultaneously.

S.No	Ram	Play	Reshma	Record
1	What is that?		That is a lion.	
2	What is this?		This is a tiger.	
3	Which animal runs fast?		The tiger runs fast.	

Ref. Audio

Digital Teacher

Speaking/Level A1 Questions on Pictures English Language Lab

Questions on Pictures - Practice Activity: 1

Listen to the audio related to the picture and answer the following questions. Click sequential play back button to listen expert voice and your voice simultaneously.

Sentences	Action
Q: How many Pencils are there? A: 5 pencils	
Q: How many Bags are there? A: 1 Bag	
Q: How many Books are there? A: 4 Books	

Ref. Audio

Digital Teacher

Speaking/Level A2 Speak on a Topic English Language Lab

Speak about Tree - Practice Activity: 6

Imagine yourself as a Tree, record your dialogues by pressing the record button. Click on play button to listen your dialogues.

Topic	Record	Play	Download your voice
Speak about Tree			

Ref. Audio Ref. Audio Script

Digital Teacher

Speaking/Level B1 Conversations at Home English Language Lab

Conversation with Uncle - Practice Activity: 1

Imagine yourself as Uncle, click play button to listen Pradeep's dialogues and record the Uncle's dialogues by pressing the record button. Click on sequential playback button to listen the complete conversation.

S.No	Dialogue	Action
1	Pradeep: Hello, uncle. Uncle: Hi, Pradeep. What brings you here?	
2	Pradeep: Actually, dad asked me to hand over this letter to you. Uncle: Is it? Please come in. So, how are your studies going on? Pradeep: I am doing well, uncle.	

Ref. Audio

Digital Teacher



Reading / Grammar



When?

- Informs writing and writing style
- Develops knowledge of language structure
- Develops vocabulary (specific vocab. for subject)
- Register and purpose

Reading is an active skill

- Improve your speed
- Read smart
- Read for gist/skim
- Read for specific information
- Do not stop to look up every word-decode from the text
- Use tools to help develop vocabulary (textual and on-line)

Issues

- Speed
- Decoding new words
- Vocabulary
- Comprehension
- Relevance
- Volume (in study)



Click each LEVEL icon to start the lesson.

Reading/Level A1

English Language Lab

- Alphabet
- Nouns
- One Word Substitutes
- Synonyms and Antonyms
- Rhyming Words
- Sentences
- Assessments

Click each unit to know more.

Reading/Level A2

English Language Lab

- Alphabet Vs Sounds
- Parts of Speech
- Tenses
- Re-arranging Words
- Helping Verbs
- Prefixes and Suffixes
- Synonyms and Antonyms
- Assessments

Reading/Level B1

English Language Lab

- Homophones
- Compound Adjectives
- Modal Verbs
- Punctuation & Capitalization Rules
- Quantifiers & Collocations
- Linkers & Discourse Markers
- Types of Questions and Tags
- One Word Substitutes
- Prefixes and Suffixes
- Assessments

Reading/Level B2

English Language Lab

- Simple Compound and Complex
- Degrees of Comparison
- Reported Speech
- Active and Passive Voice
- Binomials
- Content and Structure Words
- Idiomatic Expressions
- Relative Clauses
- Intensifiers/Mitigators
- Expressions
- Assessments

Reading/Level C1 English Language Lab

Figures of Speech/Listening Terms

Reading Comprehension

Cloze Test

Spotting Errors

Sentence Correction

Jumbled Sentence

Para Jumbles

Assessments

Reading/Level C2 English Language Lab

Reading Comprehension

Idioms and Phrases

Best Alternate Summary

Double Fillers

One Word Substitutes

Phrasal Replacement

Assessments

Click each unit to know more

Reading/Vocabulary Builder English Language Lab

Level-I

Level-II

Level-III

Level-IV

Level-V

Level-VI

Level-VII

Level-VIII

Reading/Level A1 Nouns English Language Lab

Grammar Family

Mr. Noun

Mrs. verb

Pronoun

Adverb

Adjective

Preposition

Conjunction

Interjection

Joy

Sorrow

- Preposition is the chief servant of the house and also the official servant for his master.
- He takes care of every member of the family.
- Whenever there is a joy or sorrow in the family, the interjection joins the family.

Reading/Level A1 Alphabet English Language Lab

Phonic Drill Words with /æ/ Sound (Letter 'a')

Reading/Level A2 Re-arranging Words English Language Lab

Re-arranging words - Practice Activity: 1

Rearrange the words to form a meaningful sentence by dragging and dropping the each word. Click submit button to verify your answers.

drop here

Options

many hours a in how ? day

Submit Reset

Reading/Level C1 Reading Comprehension English Language Lab

Practice Activity-3: Internet Safety

Read the passage carefully and state whether the following statements are true or false. Click submit button to verify your answers.

1. The author says, one has to be careful with the internet because nobody can put anything on the internet.
 True False

2. Twenty years ago, kids in school had never even heard of the internet.
 True False

3. A network is two or more computers connected together so that information can be shared, or sent from one computer to another.
 True False

4. The word 'Resource' means examine in the passage.
 True False

Submit Reset

Reading/Level A2 Assessments English Language Lab

A2: Pronoun: Assessment

Listen to the audio clips and choose the correct answer from the given options.

Questions	Options	Results
01. They love ____ very much. a) he b) him c) his	()	
02. She wrote the book by ____ a) himself b) herself c) myself	()	
03. The Car ____ like is red. a) Which b) How c) Why	()	
04. Mary is a good girl. ____ is from America. a) He b) She c) Her	()	
05. The man ____ I met yesterday was my cousin. a) Who b) Whom c) whose	()	

Previous Attempt Later Next



When?

- Coursework
- Exams, Lectures, Tutorials
- Group work, Presentations

Importance

- Main method of assessment
- Strict methods and conventions in academic writing
- Various formats/styles/functions depending on subject area
- Essential skill for exams, Errors more obvious

Use Learning Development Group resources (classes/appointments/work space) for support

- Engage in the process of writing for academic purposes – study skills, time management
- Be aware of academic conventions (student handbook, referencing guide, library resources)
- Disclose learning needs i.e. Dyslexia for further support

Issues

- Lack of knowledge of key language structures, word, sentence, paragraph, text
- Differences between style in native country and UK
- Register and purpose, Note-taking
- Paraphrasing, Academic conduct



Basic

A1

A2



Intermediate

B1

B2



Mastery

C1

C2

Click each LEVEL icon to start the lesson.

Writing/Level A1

English Language Lab

- Activities on Letters
- Activities on Words
- Activities on the Picture
- Picture Talk
- Grammar Usage
- Form Filling
- Assessments

Click each unit to know more.

Writing/Level A2

English Language Lab

- Activities on Letters
- Paragraph Writing
- Letter Writing
- Diary Writing
- Notice Writing
- Grammar Usage
- Writing Skills
- Short Notes
- Assessments

Writing/Level C2 Describing a Diagram

English Language Lab

Describing a Diagram: Practice Activity: 1

Describe the 'life cycle of a butterfly' in your own words. Click reference button for your reference.

The Lifecycle of a Butterfly

Butterfly

Eggs

Caterpillar

Chrysalis

Butterfly Life Cycle

Reference

Writing/Level A1 Activities on the Picture

English Language Lab

Activities on the Picture - Practice Activity: 6

Complete the sentence by replacing the image with its name. Click submit button to verify the answers.

A sat on a . It had a piece of in its beak.

One morning, Hari walked to , he met a . The Giraffe wore big and held a in his hand.

A sat on a . It had a piece of in its beak.

One morning, Hari walked to , he met a . The Giraffe wore big and held a in his hand.

Submit Reset



Topics covered under the A1 level are:

- Introduction to phonetics, phonetic table and its usage
- Tongue and Lip movement
- Basic consonant sounds and "Role play" activities
- Monosyllabic words to recite

Topics covered under the A2 level are:

- Voiced and unvoiced consonant sounds
- Practice activities and Disyllabic words to recite

Topics covered under the B1 level are:

- Voiced and unvoiced consonant sounds
- Practice activities and Trisyllabic words

Topics covered under the B2 level are:

- Introduction to vowel sounds and classification
- Vowel sounds (Pure Vowels) and practice activities on vowels
- Quadrisyllabic words

Topics covered under the C1 level are:

- Introduction to Diphthongs
- "Role play" and "Practice" activities, Pentasyllabic words

Topics covered under the C2 level are:

- Pronouncing Sounds, Voice modulation, Intonation and Stress
- Rhythm and Speed and Mother Tongue Influence (MTI)
- Practice activities and Hexasyllabic words



Click each LEVEL icon to start the lesson.

Phonetics/Level A1 Introduction to Phonetics

English Language Lab

Phonetic Table

Vowel sounds:

ə ʌ ɒ æ
 a: ɜ: ɔ: ɪ
 i: ʊ u: e

Diphthongs:

ɪə eə əʊ aʊ
 eɪ ʊə aɪ ɔɪ

Consonant sounds:

b d f g h k l m
 n p r s t v w z
 ʃ θ ʧ ʒ dʒ ð ŋ j

Mouseover on symbols for pronunciation

Phonetics/Level A2 Consonant Sounds

English Language Lab

Phonetic Chart - Consonant Sounds - 8

p

This sound is made through the mouth and is unvoiced which means we don't use our vocal chords to make the sound. It's defined by the shape of our lips and the motion of air flow through the mouth. It is a stop sound which means, it is a sound made by building up air pressure by stopping the air flow and then releasing it. In this case we use both of our lips to stop and then release. This sound normally spelt with the letter P.

Examples:

Problem /'prɒbləm/
 Part /pɑ: t/
 Play /pleɪ/

Mouth Movements

In short it is a voiceless bilabial stop.

Listening/Level B1 Trisyllabic Words

English Language Lab

Syllabic Words: Trisyllabic Words - 20

Word	Syllabic division	Phonetic symbol
Principle	prin-ci-ple	/'prɪnsɪp(ə)l/

Phonetics/Level A2 Consonant Sounds

English Language Lab

Consonant Sounds (p and b) - 7

VOICELESS	VOICED
p Percent, appoint, hope	b basic, above, hobby
PRONOUNCING [p]	PRONOUNCING [b]
1. Proud as a peacock.	The bigger the better.
2. Open the can of peas.	Bad habits can be broken.
3. The apples and pears are ripe.	Bill is in the lobby.
4. The ship will stop on Panama.	Bob bought a blue bathrobe.
5. She wore pretty purple pants to the party.	Betty was born in Boston.
6. Peter Piper picked a peck of pickled peppers.	The bumble bee bugged the big bear



Types of Skills

- Hard skills are the specific abilities that are required for a certain job.
- These abilities are specific and teachable, and they can be easily defined and measured.
- Usually, people learn hard skills at school or in their previous jobs.
- For example, if you're hiring for engineering roles, hard skills may include things like a professional engineer designation, experience with welding equipment, or the ability to repair equipment.
- Hard skills may also include proficiency in a foreign language, like French or Spanish.
- Soft skills, also called interpersonal skills, are abilities that can be useful in any job.
- Unlike hard skills, these skills are vague and hard to define.
- They're harder for you to quantify since candidates may not list them on their resumes.
- These skills include things like communication, motivation, teamwork, time management, work ethic, and flexibility.



Click the icon to start Soft Skills

Soft Skills Self Skills English Language Lab

What is SELF

Digital Teacher

Page 3/17

Soft Skills Communication Skills English Language Lab

Communication Skills

Digital Teacher

Page 1/24

Soft Skills Presentation Skills English Language Lab

Presentation Skills

Digital Teacher

Page 1/19

Soft Skills Self Skills English Language Lab

Building Self Esteem

Digital Teacher

Page 19/17

Recently Introduced New Technologies

Technology is drastically changing. But education sector is unable to take advantages of Technology. We would like to bring technology to schools at affordable price. We are not only product development company but also company which supports implementing of technology in many organizations i.e., Banks, Defence, Railways and many Universities. We have decided to introduce technologies which enhances learning process. Our ultimate aim is to make knowledge transmission in joyful way.

We also want to supply technology at **affordable** rates. We are Launching following technologies soon.

These technologies are widely used in international schools of foreign countries. Universities have adopted these technologies quickly. All reputed universities in India are teaching using below mentioned technologies successfully.

Augmented Reality

Digital Teacher Augmented Reality App need to be installed in Smart Phone / Tablet. We will give you some black and white sketches / art / text / codes. When you scan on the code then 3D Animation related to that topic, pops-out and explains the topic.



Virtual Reality

Virtual Reality (VR) based content shall be provided for selected topics. Student need to use VR goggles and see the content. It gives realistic feeling to students and helps in memorizing the content easily. Google Virtual Reality Goggles are available for less than 50 Rupees.

Upcoming Technologies / Products

Game based Learning

We all know there are some learning outcomes when we play, and students learn faster and better with games. Parents and Teachers are putting a lot of efforts in improving learning outcomes of their kids through games. Also recent studies have proved that game-based learning is the best for our cognitive retention.



ABOUT THE COMPANY



CODE & PIXELS

Interactive Technologies Private Limited

Registered with: ISO 9001 : 2015 Quality Certified Company



Code and Pixels, an ISO 9001: 2015 company headquartered in Hyderabad employs the best talent in the industry with a range of specializations including Subject Matter Experts, Instructional Designers, Multimedia Specialists, Software Professionals and Consultants. We are a specialist e-learning company, providing Simulation & Training Solutions, Content Engineering Services, Consultancy Services and IT Services to the Industry.

BFSI, Defence and Government Organizations



State Bank Of India



SBI Life
INSURANCE
With Us. You're Sure



Sardar Vallabhbhai Patel National Police Academy



Rural Development of AP

Partnering with the best to deliver exceptional quality & value

Universities



सत्यमेव जयते
NMEICT



UGC
University Grants Commission



Jawaharlal Nehru
University



University of Mumbai



Sri Ramachandra
University



Avinashilingam
University



National Institute
of Nutrition



Tilak Maharashtra
University



University of Madras



University of Calcutta



Anna University



Corporates



LARSEN & TOUBRO



University of
Mysore



Prof. Jayashankar
Agricultural University



University of
Hyderabad



SNDT Women's
University



Indian Statistical
Institute



Gujarat University



University of Jammu



ndri



The Energy and
Resources Institute



APTARA



Digital Teacher.in™ English Language Lab

Developed as per the "CEFR (Common European Framework of Reference) and Cambridge English Teaching Framework under guidance of Cambridge English Trainer.



Digital Classroom



English Language Lab



3D Human Anatomy



Basics of Computer & IT




Vocabulary Builder

- 11 English Language experts, 2 Soft skill Trainers and 4 Voice & Accent Trainers have contributed their time for 18 months to prepare English Language Lab software.
- 45 Various Subject Matter Experts (Maths, Physics, Chemistry, Biology) have worked for 24 Months to prepare content for Digital Teacher Smart classroom Solution.
- Around 250 Graphic Designers, 2d/3d Animators, Content writers, Instructional Designers, Video Editors, Quality Check Engineers, Voice over Artists have worked for 3 Years to develop Digital Content and also English Language Lab software.

- **Digital Teacher** is acknowledged as one of the experts for review and evolution of e-content by ICT and NCERT
- Content is reviewed and vetted by NCERT approved e-content reviewers and SCERT (retd.) professors.
- Subscription is valid for one Academic Year

VISIT www.digitalteacher.in For the demo of one complete unit of all the subjects (Class VI, VII, VIII, IX, and X).

You  Digital Teacher demo is also available in You tube.

Developed by:

Registered with:



NASSCOM®
MEMBER



Code and Pixels Interactive Technologies Private Limited,
CNP Elite Tower, 3-11-206/4, Road No. 5, Sri Shanker Colony,
Siris Road, LB Nagar, Hyd-500074. Tel: +063034 32161
Email: sales@codeandpixels.net | codeandpixels.net



Contact us: **080089 33331, 096407 78661**

Visit site: www.digitalteacher.in | www.englishlab.co.in