

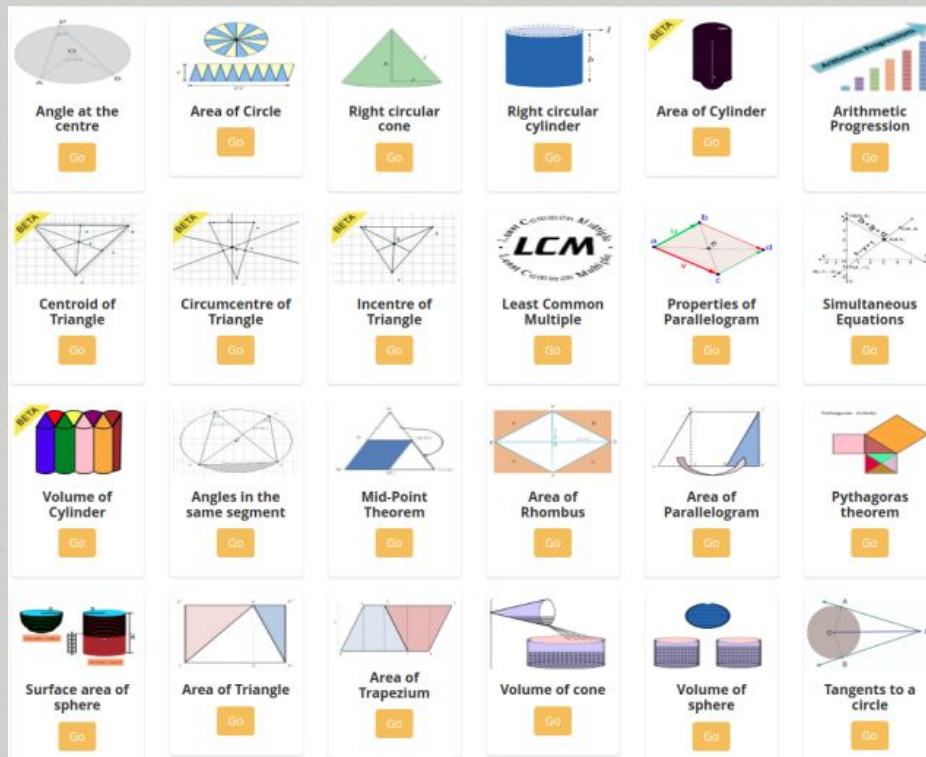
WHAT WILL WE EXPERIENCE

Following resources are available on Virtual Labs on DIKSHA to enhance your learning experience:

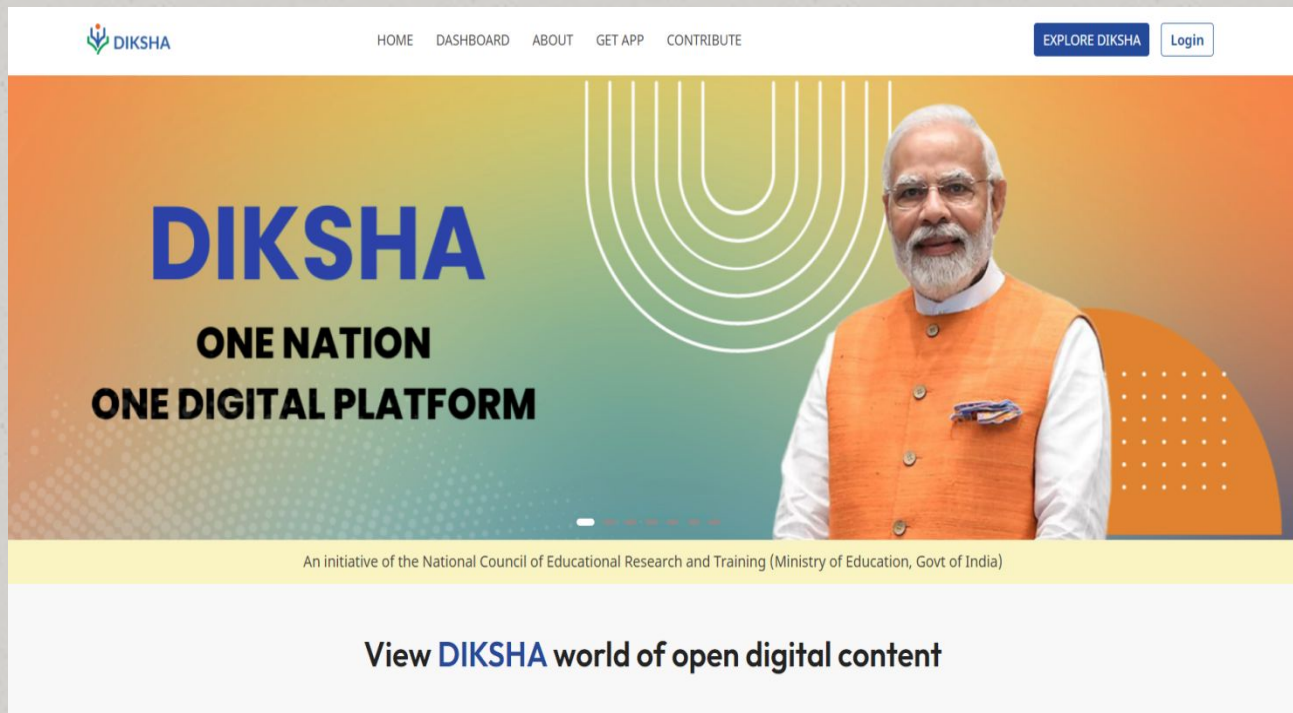
- Theory and Procedure provide information of the concept related to the experiment.
 - Animation and Video help in visualizing theoretical concepts.
- Simulation provide real time experience of performing experiments

- Viva voce is for self evaluation, you can assess how much you have grasped the concept.
- Feedback is meant for improving the resources from user's perspective. Steps to reach at your desired place

Available Resources



DIKSHA HOMEPAGE



The screenshot shows the homepage of the DIKSHA platform. At the top left is the DIKSHA logo, and to its right are navigation links: HOME, DASHBOARD, ABOUT, GET APP, and CONTRIBUTE. On the top right, there are buttons for 'EXPLORE DIKSHA' and 'Login'. The main banner features a portrait of Prime Minister Narendra Modi on the right, set against a background of white concentric U-shaped lines. On the left, the text reads 'DIKSHA' in large blue letters, followed by 'ONE NATION' and 'ONE DIGITAL PLATFORM' in bold black letters. Below the banner, a yellow bar contains the text 'An initiative of the National Council of Educational Research and Training (Ministry of Education, Govt of India)'. At the bottom, a white bar contains the text 'View DIKSHA world of open digital content'.

DIKSHA

HOME DASHBOARD ABOUT GET APP CONTRIBUTE

EXPLORE DIKSHA Login

DIKSHA

ONE NATION

ONE DIGITAL PLATFORM

An initiative of the National Council of Educational Research and Training (Ministry of Education, Govt of India)

View **DIKSHA** world of open digital content

Virtual labs Vertical

- Scroll banners to find Virtual labs vertical and click on its “Explore” icon.

The screenshot displays the DIKSHA website interface. At the top left, there are logos for the Government of India, DIKSHA, and e-Dya. A navigation menu includes icons for Home, Dashboard, About, Get App, and Contribute. A language dropdown menu is set to English. The main content area features a large banner for 'Virtual Labs' with a yellow border. The banner contains various scientific icons like a microscope, DNA, and chemical structures. Below the banner, there is an 'Explore' button. To the left of the banner, the text reads 'DIKSHA DIGITAL INFRASTRUCTURE FOR KNOWLEDGE SHARING' and 'An Initiative of the National Council of Educational Research and Training (Ministry of Education, Govt of India)'. Below this is an 'EXPLORE DIKSHA' button and the text 'Explore DIKSHA's world of open digital content'. At the bottom left, there is an NCERT logo and another 'Explore' button.

Steps to reach eContent of class 6-12

- Scroll down on the landing page of Virtual labs to reach eContent of classes 6-12.

Virtual Labs eContent

The screenshot displays a grid of buttons for grades 6 through 12. Each grade button is a dark blue rectangle with a circuit-like pattern and the grade number in white. Below each grade button is a smaller dark blue button with a white cursor icon and the word 'Explore'. Below the grid, there are two language options: 'हिन्दी Medium' and 'English Medium', each with a white cursor icon.

Grade 6

Grade 7

Grade 8

Grade 9

Explore

Explore

Explore

Explore

हिन्दी Medium

English Medium

Grade 10

Grade 11

Grade 12

Explore

Explore

Explore

- Click on the “Explore” icon of the desirable class, select the medium of interaction, then choose a subject you wish to study.

Virtual Labs eContent

The screenshot displays the Virtual Labs eContent interface. It features a grid of seven cards representing different grade levels: Grade 6, Grade 7, Grade 8, Grade 9, Grade 10, Grade 11, and Grade 12. Each card has a dark blue background with a glowing circuit pattern and a white 'Explore' button. Below each card, there are two radio buttons for selecting the medium of interaction: Hindi Medium and English Medium. Underneath the medium selection, there is a list of subjects available for that grade and medium.

Grade	Mediums	Subjects
Grade 6	Hindi Medium, English Medium	Mathematics, Science
Grade 7	Hindi Medium, English Medium	Science, English, Mathematics
Grade 8	Hindi Medium, English Medium	Mathematics, Science, English
Grade 9	Hindi Medium, English Medium	Mathematics, Science, English
Grade 10	Hindi Medium, English Medium	Mathematics, Science
Grade 11	Hindi Medium, English Medium	Mathematics, Physics, Chemistry, Biology, Computer Science
Grade 12	Hindi Medium, English Medium	Mathematics, Physics, Chemistry, Biology

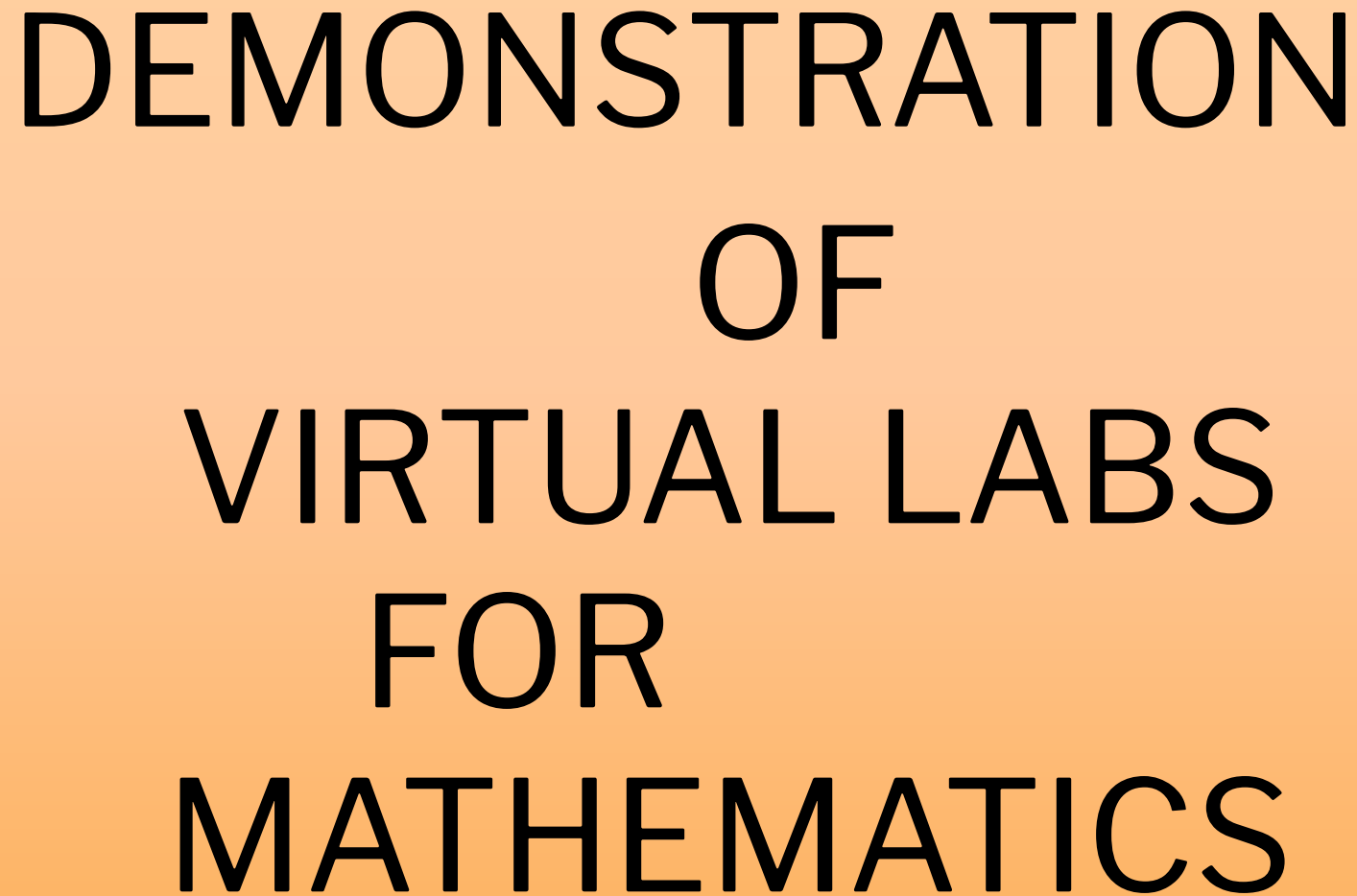
Click on Explanation Resources

The screenshot shows a digital interface for a lab experiment. At the top, there are logos for 'CDAC' and 'AMRITA'. The main heading is 'Lab Experiment: Area of trapezium'. Below this, a text prompt says 'Please click on the link mentioned below to access related resources.' A blue underlined link labeled 'Area of trapezium' is centered. To the left of the link is a right-angled triangle with sides 'a' and 'b', and hypotenuse 'c'. Below the triangle is a row of colorful mathematical symbols: a large blue 'X', a percentage sign, an equals sign, a less-than sign, a checkmark, a division sign, a greater-than sign, a plus sign, and a pencil. At the bottom left, it says 'Page 1 of 1 • 100%'. At the bottom center, it says 'Area of a trapezium.' On the right side, there is a navigation menu with 'All', 'Video', 'Interactive', and 'Docs' tabs. Below the menu is a list of 12 items, each with a dropdown arrow. Item 12 is highlighted with a blue box and a robot icon labeled 'Ask Tara'. The robot icon has the text 'Ask Tara' next to it.

Page 1 of 1 • 100%

Area of a trapezium.

12. Find a hidden picture by plotting and joining the various points in a plane



**DEMONSTRATION
OF
VIRTUAL LABS
FOR
MATHEMATICS**