

Robocompass

TRANSFORMING GEOMETRY EDUCATION WORLDWIDE

www.robocompass.com

National Recognition & Government Validation

Featured in Telangana's Vision for Future Learning

Robocompass was highlighted in Telangana's official Education 4.0 publication as part of the digital tools supporting innovative classroom experiences.

ROBOCOMPASS IN THE MAGAZINE

PUBLICATION

A New Star on the Education Horizon

PUBLISHED BY

Department of Collegiate & Technical Education,
Government of Telangana

SECTION

Education 4.0 — Future of Learning

[VIEW MAGAZINE →](#)



Integrated into NCERT Teacher Training Programs

NCERT ANNUAL REPORT 2023-24

RoboCompass has been included in teacher-training initiatives documented by NCERT, helping educators explore technology-enabled approaches to mathematics teaching.

ROBOCOMPASS IN THE REPORT

DOCUMENT

NCERT Annual Report 2023-24

PUBLISHED BY

NCERT · Ministry of Education, Government of India

use different innovative Teaching-Learning materials (TLMs) of mathematics for making Mathematics teaching live; to train the KRPs in preparing and using different low-cost teaching aids to make math learning joyful and make them aware of the different Mathematical softwares like Geo-gebra, Robo Compass, Cam Studio, Mathematica, etc., for making classroom teaching effective.

Sl. No.	Title of the Programme	Venue and Dates
1.	Training of TGTs (English) of Eklavya and other Schools of Madhya Pradesh	RIE, Bhopal 12-15 December 2023
2.	Training of TGTs (English) of Eklavya and other Schools of Madhya Pradesh	RIE, Bhopal 4-8 December 2023
3.	Training of KRPs of Maharashtra in the Use of Language Lab/Language Resource Centre	RIE, Bhopal 11-15 March 2024
4.	Training for Master Trainers of Lab Assistants on Science and Maths of Madhya Pradesh	RIE, Bhopal 1-5 June 2024
	Training for EMDS on Chemistry, Hishar	RIE, Bhopal

[VIEW REPORT →](#)

Recognized by Government Education Departments

Education departments across different states have referenced RoboCompass as a useful resource for teaching geometry and supporting student learning.

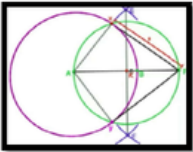
DSERT — Government of Karnataka

RoboCompass features in DSERT Karnataka's official Class 10 learning material as a digital tool for geometry constructions.

DOCUMENT Class 10 Learning Material (Feb 2021 · EM)

PUBLISHED BY DSERT, Government of Karnataka

[VIEW](#)

Constructi on of tangents to a circle: Constructio n of tangents from an external point.	Activity1: Cut a circle in a sheet of cardboard or paper arrange two sticks or cycle spokes as tangents and show that they are equal. Activity 2: Explain the steps of construction logically and clearly on the black board. Activity 3: Use Robo compass or any other technology to explain the steps clearly and concept clarity is given. Activity 3:		Draw a circle of radius 4cm. From a point 9cm away from the circle, construct the pair of tangents to the circles. We can use observation schedules and check lists. We can also use work sheets.
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Samagra Shiksha — Govt of Puducherry

RoboCompass is recommended in the Government of Puducherry's Slow Learners Guidelines as an ICT tool to help struggling learners grasp mathematics.

DOCUMENT Guidelines for Slow Learners

PUBLISHED BY Samagra Shiksha, Govt of Puducherry

[VIEW](#)

The following strategies may be followed for Secondary and Higher Secondary Students:

- Peer Grouping
- Ring Strategy
- One to one teaching
- Pair Grouping
- Conduct of subject-wise special class
- Framing of subject-wise timetable
- Language practice may be provided for reading and writing by using innovative methods listed in the suggestive activities of this booklet
- Preparation of teaching, learning and testing materials
- E-content like e-pathasala, Diksha, NROER, PHET, Geogebra, Robocompass, Khanacademy, etc. may be used

Featured in Telangana's School Innovation Case Study

RoboCompass was referenced in a School Leadership Academy case study that highlighted innovative approaches to improving teaching and learning through technology.

CASE STUDY

School Leadership Academy (SLA)

SCERT Telangana

[VIEW CASE STUDY](#)

ROBOCOMPASS CITATION

science, math, electronics, robotics, computer science - or just plain tinkering around. This works towards the Atal Tinkering Laboratories (ATL) mission of creating one million neoteric child innovators in India by 2020. The objective of this scheme is to foster curiosity, creativity, and imagination in young minds.



basic principles of constructing and assembling of robots are learned as practice at Robotic labs. These children will learn and practice the various software like Geogebra, Robo Compass, Quiver, Photomath at Google lab, various teaching and learning strategies are practiced. Students enriched with these technologies and software, practiced at Atal tinkering with use of various sensors and 3D printer they prepare various models by their own.

Techno Cycle

Classroom
(BlackBoard/ Chalk)

Independent Assessment of Robocompass Impact

Documented in 3 corporate CSR / impact assessment reports

Recognized in a Kotak Mahindra Bank CSR impact study third most used ICT tools teachers actively adopt in the classroom.

ROBOCOMPASS IN THE PROGRAM

PROJECT

IT for Change — Transforming School Education through ICT

ASSESSMENT

CSR impact assessment by impactDash

SCOPE • PERIOD

Pan-India • pre- & in-service teachers • FY 2024-25

KOTAK MAHINDRA BANK –
IMPACT ASSESSMENT STUDY

3rd

**Most Used ICT Tool
in Indian Schools**

1. Freeplane
2. Geogebra
3. Robocompass
4. Audacity

3.3.2. ICT Training Impact on Teaching Practices- Pre-Service Teachers

The impact of the training on pre-service teachers was evaluated across multiple dimensions, focusing on their understanding and application of ICT tools in teaching. The following themes highlight the key findings from the training program, offering insights into its effectiveness and relevance to classroom practices. In the context of pre-service teachers, the application of ICT competencies was observed during internships, demonstrating practical implementation. Subsequently, these skills were systematically integrated into their instructional methodologies upon transitioning into full-time teaching roles.

Practical Experience with ICT Tools

A significant majority (87%) reported using ICT tools during their teaching internships or assignments, demonstrating active engagement with technology. However, 13% did not practice ICT integration, indicating potential gaps in application that may require further reinforcement. Teachers adopted a range of ICT tools, with the majority stating they had used Freeplane and Geogebra, followed by Robocompass, Audacity, Vokoscreen, and Kdenlive. This demonstrated their versatility and impact on teaching and learning processes, indicating a preference for tools that support both content delivery and interactive engagement.

[VIEW REPORT](#)

Cognizant Foundation

Selected alongside globally recognized educational tools, RoboCompass empowered hundreds of teachers to bring interactive mathematics learning into thousands of classrooms.

ROBOCOMPASS IN THE PROGRAM

PROGRAM

Teachers' Community of Learning · IT for Change × Cognizant Foundation

SCOPE

65 government-aided schools · Bengaluru South 3 Block

REACH · FY 2020-21

386 teachers & 19,855 students engaged across 65 schools

[VIEW REPORT](#)

Table 2–Details of Block level trainings

Period	No. of Block-level Workshops	No. of workshops in Kannada and Mathematics conducted at school level
2018 - 2019	10	23
2019 - 2020	8	47
2020 - 2021	9	42
Total	27	112

The training curriculum included knowledge of basic computer operations, and familiarization with various free education resources and digital tools available for use in the classroom. Some common tools made available for Mathematics, Language and Science teaching were:

- a) ~~Geogebra~~
- b) Robocompass
- c) ~~Audacity~~
- d) Kazam
- e) KDenLive
- f) PhET

The teachers who attended the training were encouraged to create their own resources and share with their peer group. They were further connected to subject-based WhatsApp groups for continuous engagement and exchange of resources. ITfC gathered the resources through informal interactions and more than 60 teachers have demonstrated using ICT in their regular classes.

SRF Foundation (CSR)

Selected alongside leading educational technologies, RoboCompass supported digital learning initiatives that reached thousands of students across government schools.

ROBOCOMPASS IN THE PROGRAM

PROGRAM

Brillio Digital Based Learning Program · SRF Foundation × Brillio

SCOPE

40 government schools · Bengaluru South-4, K.R. Puram

REACH · FY 2020-21

948 students & 78 teachers engaged digitally

[VIEW REPORT](#)

BRILLIO DIGITAL & TAB BASED LEARNING PROGRAM



Rural Education Program

22

Brillio Technologies Private Limited is a global technology consulting company that operates its 'Digital Based Learning Program' addressing the lack of digital labs and integrated digital based learning through Communicative Language Teaching (CLT) based State Government curriculum for students under its CSR wing in Bengaluru.

SRF Foundation along with Brillio initiated the Brillio Digital Based Learning Program in April 2017 across 40 government schools in Bengaluru.

Through Curriculum Based Interactive Online classes primary school students and 10th grade students were facilitated by teachers where science experiments were demonstrated using free educational apps like Meghaashala, DIKSHA, Geogebra, PhET simulations, Robo compass, textbook pdfs, presentations, Youtube videos, etc. Other initiatives like Thank God Its Friday (TGIF) Brillio Volunteering sessions, Brillio Master Maker and Miss Maker Weekly theme-based competitions, Sharing of curriculum based class wise videos, Phone Mentoring, celebration of



7,033 Students



40 Schools



1 Location

To make education accessible during pandemic, Brillio and SRF Foundation designed Brillio Tab Based Learning Program which provides 65 tablet computers to 9th and 10th grade students with offline content. Through this program, regular classroom teaching was activated through online mode with continued subject-wise teaching.

Smart TV classrooms with digital equipment has been operational in 30 schools. This year 10 new schools have been added with the provision of 55 inches Smart Android TVs, APC Backup UPS, Tablets, Internet Dongle with 1-year subscription and a 32 GB Pen drive were provided to ten new schools. Further, 78 teachers were trained on how to use Digital Smart Classrooms.

Another motivating innovative program for the students was

curriculum-based art & craft, 3R's project, science and tech quiz competitions, Just A Minute (JAM), Home Gardening, Out of Box Thinking, Mathematicians, Chemistry in our daily life, life skills sessions and so on.

Under this initiative, 2,160 science, arts and crafts models were created by the students. Further, 42 Miss Makers and 36 Master Makers were recognised every week. 50 Brillio volunteers and 11 Symbiosis Institute of Operations Management students were engaged through phone mentoring programs for students who do not have access to smartphones. The students who have access to smart phones were engaged by the volunteers on various activities like STEM jingles, Out of Box Thinking, Scratch Programming, Dream Big, Home Gardening, etc. Furthermore, wishes of 200 students were

Academic Publications

WORLDWIDE

Robocompass enhances spatial geometry learning through dynamic 2D and 3D geometric visualization

AUTHOR(S)

Kuznetsov Ilya Evgenievich, Likay Ksenia Zakharovna

TYPE

Conference research paper

[READ PAPER](#)

ROBOCOMPASS IN THE PAPER

чтобы наглядно показывать построение фигур как на плоскости, так и в пространстве (рис. 1). Каждый из инструментов был разобран на практике (рис. 2).

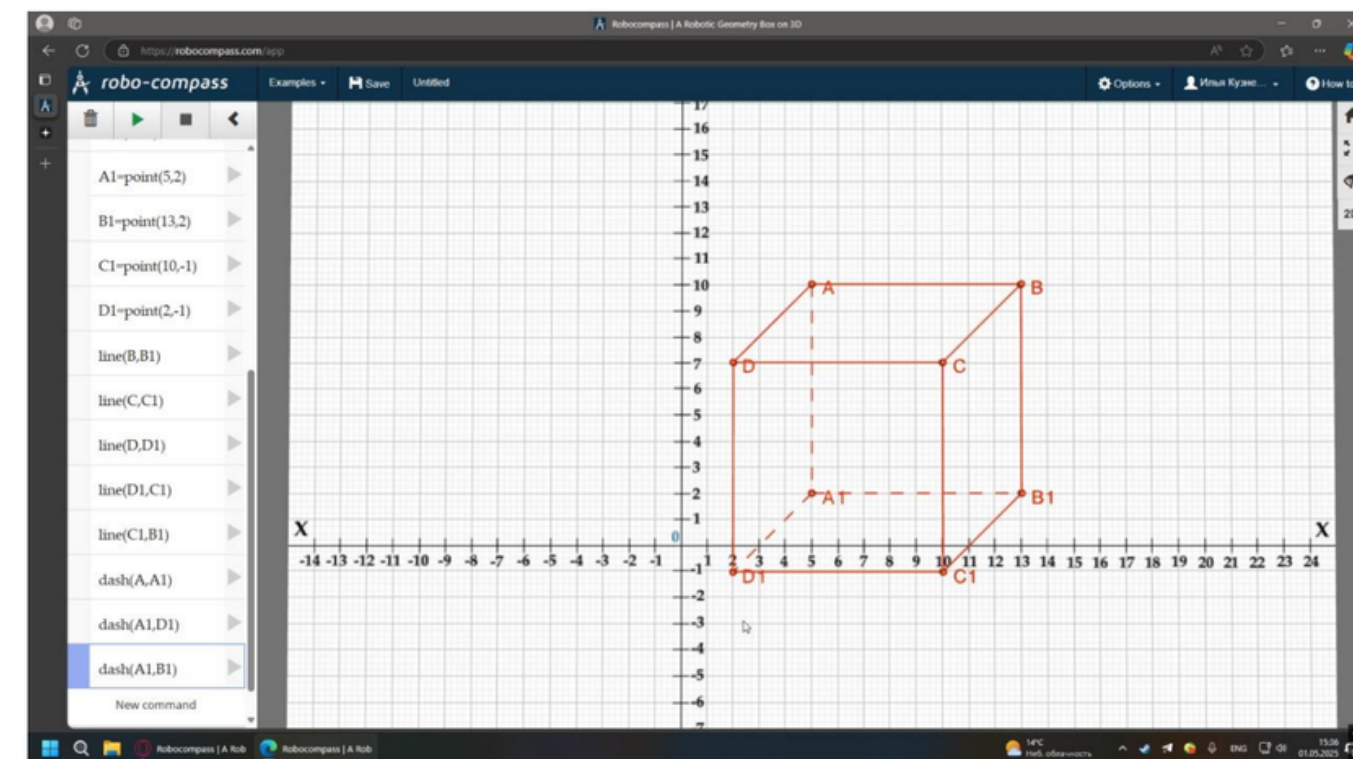


Рис. 1. Демонстрация работы с Robocompass

University of Cincinnati – United States

University of Cincinnati researchers used Robocompass as a visual modeling tool to improve geometry understanding and support students with learning disabilities.

AUTHOR(S)

Casey Hord, Susan A. Gregson, Samantha Marita

TYPE

Peer-reviewed research paper

[READ PAPER](#)

ROBOCOMPASS IN THE PAPER

visual created using Robo-Compass software (which she has also printed on paper so she could later draw on the screenshot with a pencil; see Figure 4). Mrs. Karr constructed a right triangle of the same dimensions as the triangle in Problem 1 and subsequently dilated it by scale factors of two and three. She asked Jasmine questions such as, “Which triangle is dilated (from the red triangle) by a scale factor of two? Three?” and Jasmine was able to answer with the correct triangles with blue and green, respectively. Mrs. Karr guided Jasmine to check her work on the calculator for a scale factor of three, “Check 4.5×3 and see if you get 13.5. And then, 1.5×3 should be 4.5.”

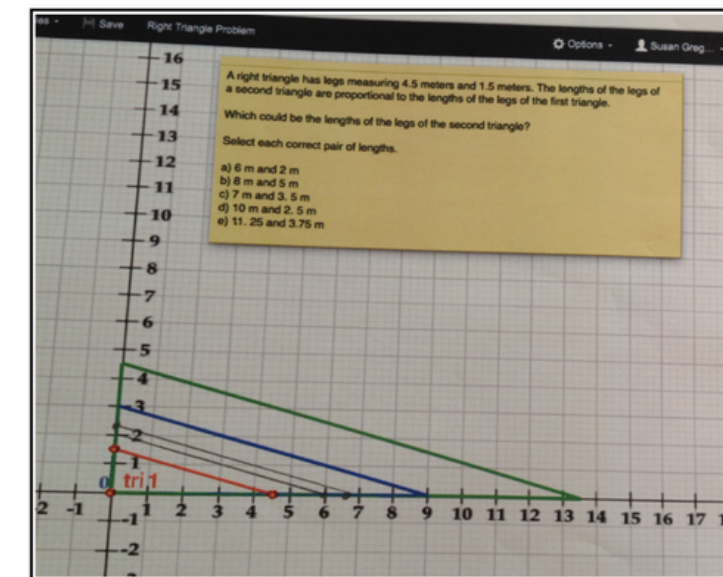


Fig. 4: Robo-Compass.

University of Ljubljana presented RoboCompass as a dynamic-geometry tool for teaching straightedge-and-compass constructions.

ROBOCOMPASS IN THE PAPER

AUTHOR

Anja Trop

TYPE

Conference lecture

[READ PAPER](#)

Robocompass - a system for dynamic geometric constructions and transformations

Anja Trop , Faculty of Mathematics and Physics, University of Ljubljana,
anja.trop@student.fmf.uni-lj.si

Robocompass is a system for dynamic geometry and performing transformations on geometric figures. It is primarily intended for teaching geometry. It has built-in tools that mimic the use of a ruler, compasses, and protractor, which are used in manually executed constructions. The application is available for free in the Crome online store. It simulates the steps of a geometric construction, which are entered using built-in commands. It is an excellent interactive tool, especially for students and pupils who are just getting to know the basics of geometry. In addition to playing the steps of the construction, you can add your own description of the procedure, which is displayed in the banner above. This way, we upgrade the quality of the presentation and enable greater comprehensibility, which is especially useful for educators. Robocompass is also an excellent tool for teachers who can use interesting presentations to encourage students to further discover and experiment.

The application, with user registration, allows easy archiving and access to files in the cloud and generation of web links to worksheets. This way, a wider range of people can easily access the material.

In the lecture, we will first get acquainted with the application and its capabilities, then we will look at some of the built-in commands, and we will conclude by demonstrating the process of constructing a triangle using Euler's theorem.

Azim Premji University – India

Azim Premji University's mathematics journal At Right Angles introduced RoboCompass as a nifty digital tool for teaching geometrical construction.

AUTHOR

M. Srinivasan

TYPE

Journal article (At Right Angles – mathematics magazine)

[READ PAPER](#)

ROBOCOMPASS IN THE PAPER



Azim Premji University | Publications Repository

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Introducing robocompass : a nifty tool for geometrical construction

M., Srinivasan (2020) *Introducing robocompass : a nifty tool for geometrical construction*. At Right Angles (6). pp. 63-66. ISSN 21873



Text - Published Version
[Download \(406kB\)](#) | [Preview](#)

Abstract

How Geometrical Constructions are taught in Schools Euclid's Elements – one of the most influential mathematical textbooks ever have been written – is primarily a compendium of geometrical constructions created using straightedge and compass. But are we sure that these two geometrical tools which lie at the heart of such foundational ideas are being used effectively in the classrooms? The current practice is actually to use large wooden geometrical instruments in the classrooms, as the size of the real physical compass (the 'geometry box') is not large enough to use conveniently as a demonstration tool.

International Official Adoption

Educators and institutions in different countries have discovered and adapted Robocompass for their local teaching needs.

Poland

Localised RoboCompass documentation contributed via the **Edukator** education portal. Contributor: Andrzej Batorski.

Science & Knowledge Foundation

[Visit](#)

Following coded instructions for bisecting an angle

In this activity students will learn how to code a geometric construction. They'll do this by matching a set of instructions to the correct geometric construction.

Learners will be introduced to the concept of Computer Numeric Controlled (CNC) machines. They'll also be taught about the role of coding in executing precise tasks, such as bisecting an angle.

This is one of a set of resources developed to aid the teaching of the secondary national curriculum, particularly KS3, supporting the teaching in maths or design & technology (D&T).

Activity: Following coded instructions for bisecting an angle

Students will use Robocompass, a web tool that lets learners simulate geometric constructions on a computer screen. They will match each diagram with the correct instructions and arrange them so that they can create a storyboard of how to draw and bisect an angle.

Download our activity overview for a detailed lesson plan for teaching students about coding a geometric construction.

The engineering context

Computer Numeric Controlled (CNC) machines follow pre-programmed instructions to execute tasks with precision, much like the coded geometric constructions students learn about in this activity. For example, CNC machines are used by engineers in manufacturing industries for common tasks such as cutting, drilling, and shaping materials.

United Kingdom

Free KS3 Maths / D&T lesson plan using RoboCompass to teach students to code and bisect a geometric construction.

IET · Institution of Engineering and Technology (London)

[Visit](#)

International Official Adoption

From Europe to North America and Asia, RoboCompass has found its place in diverse educational environments.

practices Math and Science with his students, educators and collaborators. He performs blended learning in his teaching method. He uses whiteboard or open board for online or offline classes and for the geometric field he uses robocompass, mathspad, and Geogebra. For most interactive presentations he used Nearpod, PowerPoint, and Slides. Rubel is very interested in modern Teaching-learning methods and techniques and trying to apply them in his classroom.

Asia–Europe Foundation

RoboCompass teaches geometry within ASEFClassNet, the Asia-Europe Foundation's official school network (School Collaboration booklet).

ASEF · ASEFClassNet · Asia-Europe Meeting (ASEM)

[Visit](#) 

Québec  Open School  French
Contact us

Home Resources School support Training

Home < Resources < Find resources < Robocompass.

Robocompass.

Geometry

Robocompass is a dynamic geometry application that allows you to model and teach concepts related to geometric constructions and transformations. Unlike known dynamic geometry software, it allows you to see the geometry instruments that come to life during construction. Thus, this resource is a great tool to help students who will have difficulty handling the instruments or simply in an inverted classroom. Several videos and a user guide also allow you to quickly take charge of the main commands.

Image of the resource

Resource Type: In Processing
Language: English

[Link to the resource](#) 

Canada

Québec's official school-resource portal lists RoboCompass as a recommended dynamic-geometry tool for Secondary Mathematics (Sec. 1–5).

L'École ouverte · Ministère de l'Éducation du Québec

[Visit](#) 

National Recognition for Educational Innovation

Featured in a National Best-Practices Compendium

Featured among leading educational innovations, Robocompass has earned recognition for making mathematics learning more engaging and effective.

PUBLISHED BY

Department of Educational Administration

National Institute of Educational Planning and Administration (NIEPA)

[VIEW PUBLICATION](#)

ROBOCOMPASS CITATION



classes. To address this challenge, it was planned to design our own website and share YouTube video links of shorter span. It was a challenge to find relevant video links of shorter duration from YouTube.

- The students were getting distracted as these links were taking them to the external site that plays advertisements in between the lesson. To

address this challenge, planned to prepare our own video lessons of shorter duration that could benefit the students.

- Next challenge was to train the subject experts as most of them were not aware of technology. The core committee subject experts with latest technological skills conducted virtual classes to train other subject teachers.
- They explored many digital tools like screen-o-matic, kinemaster, GeoGebra, robocompass, desmos etc.
- Those who never operated a laptop, empowered themselves with all the latest technological tools in the process. Structured material could be accessed with limited network and this was aimed to build confidence and a satisfaction of learning in students.

National ICT Awardees

USING ROBOCOMPASS

National ICT Awardees recommending robocompass



S. Ganesh

**NATIONAL ICT AWARD FOR
TEACHERS · 2019**

KEY WORK CIET–NCERT webinar facilitator —
“Learning Geometry using RoboCompass”

[VIEW CITATION →](#)



J. Senthil Selvan

**NATIONAL ICT AWARD FOR
TEACHERS · 2019**

TOOLS RoboCompass + GeoGebra, Moodle,
Desmos, PhET

[VIEW CITATION →](#)



**Elavarasan
Ramalingam**

**NATIONAL ICT AWARD FOR
TEACHERS · 2019**

KEY Achievement 78 RoboCompass-based
geometry contents (Classes VI–VIII)

[VIEW CITATION →](#)



Ashutosh Anand

**NATIONAL ICT AWARDEE &
NATIONAL TEACHER AWARDEE**

KEY WORK Created RoboCompass training
materials & presentations

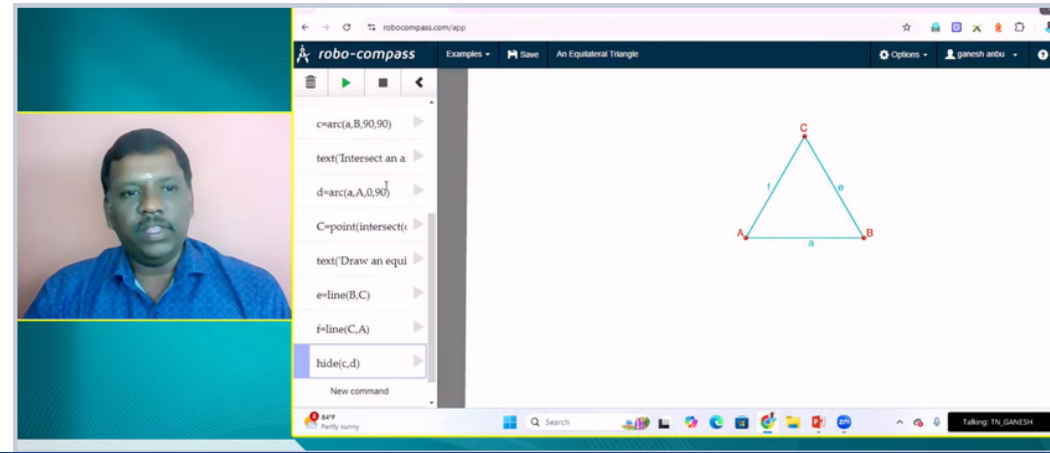
[VIEW RESOURCE →](#)

Thousands of Educators. Millions of Learning Moments

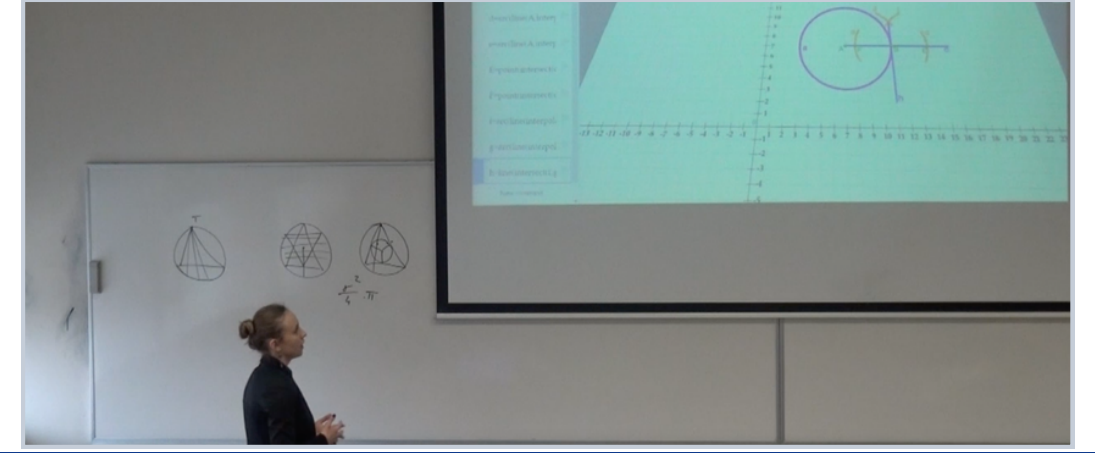
Thousands of videos, Hundreds of articles and workshops feature RoboCompass across YouTube and blogs — far more than fits in this deck. A few highlights:



Webinar at **NASA**



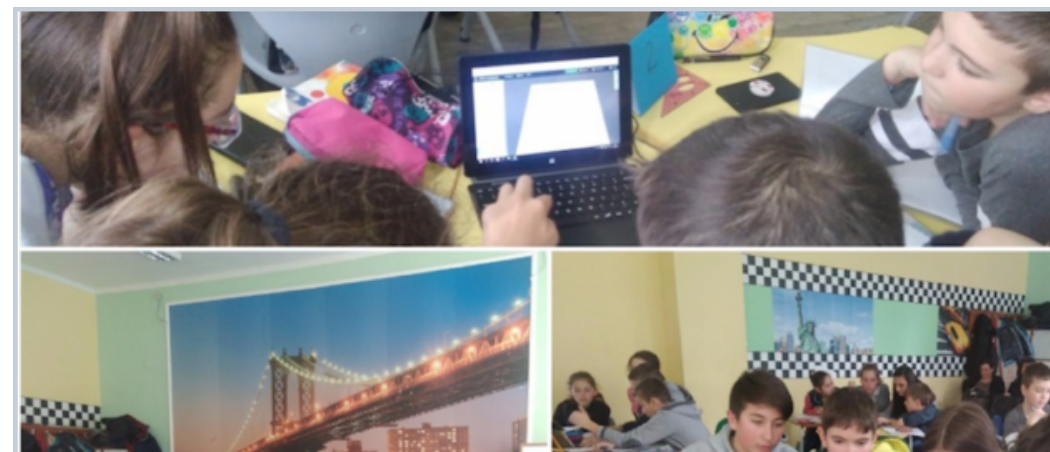
YouTube — Teacher Workshops



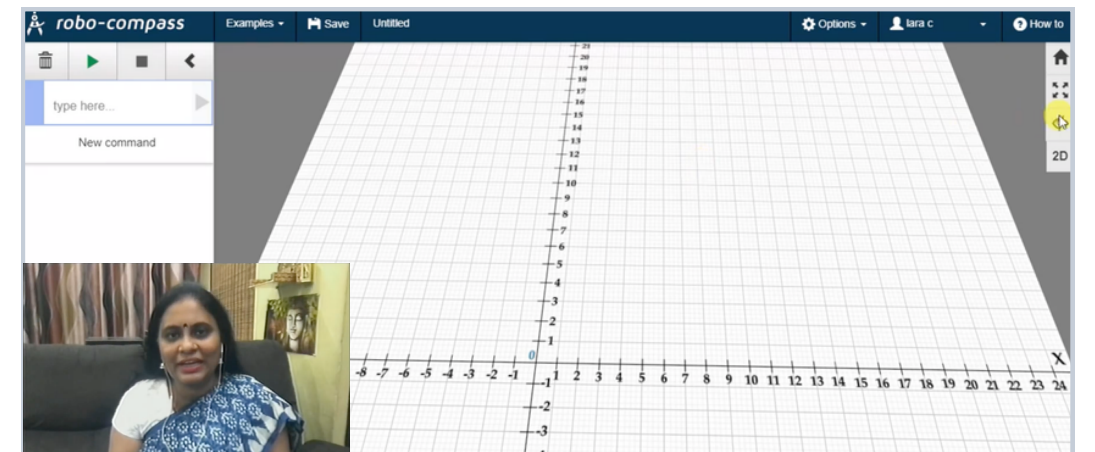
Teacher-Training Workshops @Slovenia



Student Assessments



Student Project Videos



NCERT — Official Teacher's Workshop

Independent Media Coverage of **ROBOCOMPASS**

Media Coverage · RoboCompass

Independent press coverage — not press releases.

The keynote address was delivered by Riyaz Ahmad Dar Senior Academic Officer SCERT JK Central, who spoke on the urgent need to move beyond rote-based instruction towards competency-oriented mathematics education.

He elaborated on the effective use of digital tools and artificial intelligence in classroom teaching, assessment practices, and personalized learning in alignment with the vision of NEP 2020 and NCF 2023.

Throughout the three-day programme, experts from DIETs and field institutions engaged in meaningful academic deliberations on the use of various digital tools including GeoGebra, Tarsia, Polypad, RoboCompass, and emerging AI-based applications in mathematics education. The sessions focused on practical classroom implementation and the role of technology in enhancing learning outcomes.

The academic proceedings of the programme were efficiently moderated by Mr. Sheikh Mohammad Iqbal, Senior Academic Officer, who facilitated interactive discussions and reflective dialogue among participants.

The programme was coordinated by Gulzar Ahmad Dar, Senior Academic Officer, who ensured effective

SCERT Kashmir Empowers Educators Through 3-Day Technology Learning Initiative

NEWS PORTAL · JAN 2026 · KASHMIR, INDIA

SCERT J&K's 3-day programme "Digital Tools in Mathematics" demonstrated RoboCompass — alongside GeoGebra, Tarsia and Polypad — to teachers, aligned with NEP 2020 and NCF 2023.

[Read article ↗](#)

Amid all the uncertainty in pandemic, with a sudden shift away from classrooms, in-person learning shut from kindergarten through colleges, Maths teachers are learning the latest technological tools to engage their students through online classes

Amid all the uncertainty in pandemic, with a sudden shift away from classrooms, in-person learning shut from kindergarten through colleges, Maths teachers are learning the latest technological tools to engage their students through online classes

GeoGebra, Desmos, Robocompass are a few tools that help students visualise the concepts. The videos shared in their WhatsApp groups help children to view repeatedly if they have doubts. Teachers need more time for preparation for online classes, compared to regular physical classroom teaching.

Speaking to The Hans India, V Padma Priya, Maths teacher, Govt Neruda Memorial High School, said, "In my case, equipment to connect and network are the issues. We tried to take the help of NGOs, like TFI and 511, to provide tabs and phones to needy students. Short videos related to the topics covering the entire syllabus are prepared along with a worksheet and an assessment at the end of each chapter. This is a structured way of learning." She adds "nothing can replace a physical classroom interaction, where teachers can easily know how far students are paying attention."

Primary & Secondary Schooling (K-12)

Shubhangi Katre, a Maths teacher at Delhi World Public School, Kompally, said "It's easy to learn mathematical concepts by conducting several activities in a virtual class. In fact, advanced technology such as Google forms, Microsoft team form, helps students to have a comprehensive study of technology."

The Hans India

"Making maths learning a fun: Tech tools come handy"

NEWS PORTAL · DEC 2020 · HYDERABAD, INDIA

Coverage of tech tools for online maths learning — featuring RoboCompass alongside GeoGebra and Desmos.

[Read article ↗](#)

ROBOCOMPASS

**Featured in International Books on
Educational Innovation**

Featured in International Books on Educational Innovation



BOOKS

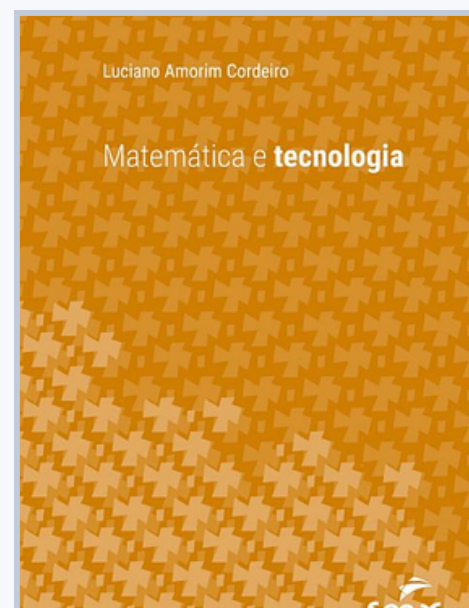
Robocompass is recognized alongside leading global educational platforms and is adopted by future educators to enhance teaching and learning experiences.

Innovación educativa: avances desde la investigación

Eds. Raquel Garrido Abia & Desiré García Lázaro

EDUCATION RESEARCH • SPANISH • SPAIN

... **Robocompass** , Educaplay , Geogebra , Wakelet y Canva . Alguno de ellos es seleccionado por varios estudiantes , aunque lógicamente deben hacer aplicaciones diferentes . Ade- más , algún futuro docente sorprende y elige dar un nuevo ...



BOOKS

Robocompass is recognized as a tool that has transformed geometry education through interactive and intuitive learning experiences.

Matemática e tecnologia

Luciano Amorim Cordeiro

ICT IN MATHS EDUCATION • PORTUGUESE • BRAZIL

... **Robocompass**, Geoplan, entre outros, revolucionaram o ensino da geometria. Com suas interfaces interativas e ferramentas intuitivas, esses programas permitem aos alunos explorarem conceitos geométricos de maneira prática, proporcionando ...

Robocompass is Part of the Curriculum

ROBOCOMPASS IN TEACHER TRAINING

Robocompass is Part of the Curriculum

Adopted into formal teacher-education curricula – Robocompass is taught to trainee teachers.

B.Ed. · MUMBAI

Kapila Khandvala College of Education

Unit 4: Methods and Techniques of Teaching Mathematics

- a) Learner Centered methods --- Inductive Deductive (Teaching Generalizations), Analytical Synthetic (Teaching Proofs)
- b) Activity centred methods---- Problem solving, Lecture cum Demonstration
- c) Techniques of Teaching Mathematics---Drill and review, Assignment in Mathematics.

Unit 5: Learning Resources

- a) Mathematic Laboratory & Mathematic club (objectives, significance)
- b) Textbook – Characteristics and Critical analysis
- c) ICT in Teaching -Learning of Mathematics (Application, Advantages and Limitations)
 - i) GeoGebra, Virtual Manipulatives, Robocompass
 - ii) Symbolab, nzmaths, Coggle
 - iii) ICT for Assessment -Edpuzzle, Socrative

INSTITUTION KKCE (Autonomous), Mumbai

AFFILIATION Univ. of Mumbai · NCTE

LISTED UNDER B.Ed. Pedagogy of Maths (Unit 5)

[VIEW SYLLABUS](#)

D.El.Ed. · PUDUCHERRY

DIET – Puducherry

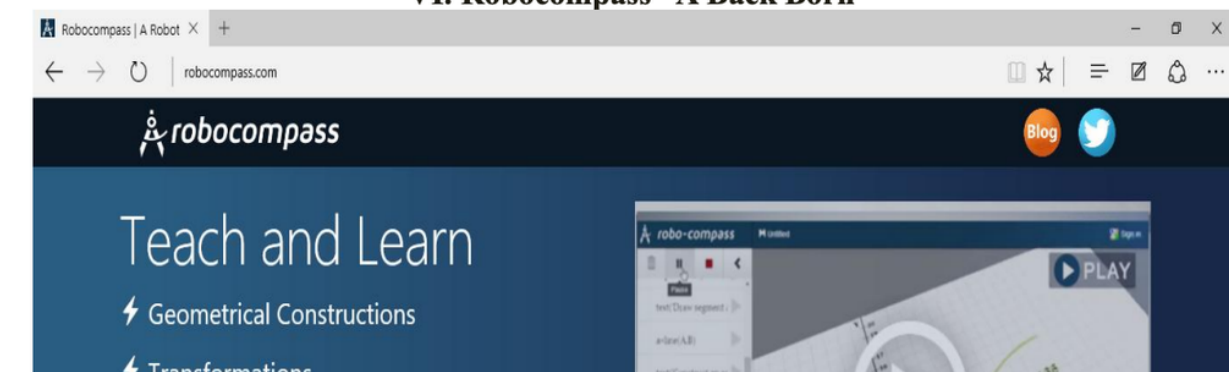
IV. Tools

- Robocompass online tool is used to construct the geometrical figures
- ~~Geogebra~~ free online open source to draw a graph and to do the algebraic and statistical problems.
- Desmos free online open source to draw a graph in a lively mode.

V. Methodology

The method adopted for this study is an descriptive method, analytic method

VI. Robocompass –A Back Born



INSTITUTION DIET, Lawspet, Puducherry

CURRICULUM D.El.Ed. Maths (TN State Board)

SOURCE Study in IJESI, Aug 2018

[VIEW PAPER](#)

Thank You

www.robocompass.com