

DAV IN NEWS

Simmi Juneja, Principal of D.A.V Public School, Thane talks about "Coding" becoming the next universal language

In the current global scenario, we are facing unprecedented social, economic and environmental challenges driven by accelerating globalization and a faster rate of technological developments. At the same time, those forces are providing us with myriad new opportunities for human advancement. It is a time to reimagine and reorient the spectrum of education by reinforcing curiosity, imagination, resilience and self-regulation. To prepare our students for the world of artificial intelligence, robotics, machine learning and Coding, an array of opportunities have emerged. One such innovative platform provided by HT Codepath, has brought an amazing transition in the mindsets of learners - The Coding Mindset. This reflects a gradual development of

another language, and children adapt quickly to learn new languages faster than older people. Besides giving them a quick start for the future of work, compared to other forms of numeric sciences, learning to code can enhance children's creativity and builds logical thinking as it requires a focus on solving a specific challenge. This teaches children to evaluate situations from different perspectives and propose creative solutions and also helps them to find diverse substitutes. Coding enhances collaborative and communication skills - the skills of 21st Century. Jeannette Wing, a renowned computer science researcher coined the term computational thinking to denote attitudes and skills, including problem-solving and analyzing systems, that can be



major at Arizona State University. The workshop received an overwhelming response by the students and parents. To develop as a coder, we require persistence, effort and patience. As educators, we are committed to helping

MY SCHOOL PROJECT AGRIBOT

WHAT IS IT?

It is an agricultural bot that is designed to aid farmers to manage their farms in villages efficiently, while continuing to enjoy the benefits of migrating to cities.

This farming robot is completely autonomous and is an integration of the plowing robot, the pumping system and the farm truck robot.

SALIENT FEATURES:

The robot has been created using Arduino, it is Bluetooth enabled and can be controlled by an e-farming app named 'Agribot' which has been developed especially by our team.

Due to its unmanned nature, it can help in utilizing the 12% uncultivated land where human settlements are not possible. Our robot aims to productively contribute in the 'Pradhan Mantri Krishi Sinchali Yojna'. It helps in reducing suicide rate in farmers, whose major cause is high levels of debt, due to the reliance on traditional and extremely laborious farming methods.

MORE FACTS:

There is about 6% of uncultivated land in India that can be converted into tillable land, which is a whopping 96,00,000 hectares! We bagged second prize for this robot in the 'make your own robot' competition organized by Lion's Club, Thane.



CONSTRUCTION OF THE AGRIBOT:

- The Agribot is a trio of three robots. The plowing robot consists of 2 motors programmed in such a way that after one forward and backward moment, it stops automatically.
- The irrigation robot draws water from the well on the farm. A pump is immersed into the well which is further connected to a pipe.
- The farm truck robot has two arms that can pick up the waste products, or help in the transport of substances from one place on the farm to another.
- The truck has a specially designed track that ensures its smooth functioning without clashing with any other equipment.



Sanisa Parag Patrikar, class IX-H, DAV Public School, Thane



THE PEN ISN'T MIGHTIER THAN THE SWORD

Ever played rock-paper-scissors? I'm sure you have. It can be a source of endless fun, predicting what your opponent might choose and then mold your hand into a response accordingly, that too in a matter of seconds. The rock, the seemingly toughest of them all, is defeated by the fragile and humble paper, who in turn surrenders in front of the victory combination of the index and middle fingers. Completing the cycle, the pair of scissors is smashed by the rock. Which one, do you think is the



mightiest? You'd probably say none, as each cancels other out. But I'd say that invincible is the hand that knows when to form a rock, a paper and a pair of scissors. It's not those juvenile hand gestures that are powerful. They are mere marionettes of

the play, whose strings are held by the player's palms. We've all grown up amidst indisputable and bemusing proverbs, one among them being "The pen is mightier than the sword." I disagree. Yes, pens can move minds without touching them, whereas swords can silently tarnish someone physically. But the one who grips a sword or a pen by evaluating the situation, is in my eyes, the true winner.

SANISA PATRIKAR, class X, D.A.V Public School, Thane



MY SCHOOL, MY HOME

School is a kind of a tiny world, which gives us all the experiences, the good, better and the best

Before the pandemic, a majority of us would have refuted this statement, with the burden of a huge syllabus on our shoulders. But now, there are no words in English language to express our longings to don our schoolbags and board that school bus again. Confined to our brick walls we frequently slip into daydreams, sav-



oring the sweet memories of school life, which seem like a distant past now.

Oh dear school, how much do we students miss you! We miss the early morning scramble into the assembly hall, being careful to hide from the IT teachers who'd otherwise catch us with long, unkept nails. We miss jostling out way towards the canteen after exhausting lectures, stuffing ourselves with not-so-healthy snacks. We miss almost blowing up the science lab and bunking classes occasionally. We miss those silly punishments we got when we forgot our homework. We long to run barefoot on the soft grass of the playground again, and ignore the bell that signals the end of the IPT period. Oh that bell! Our ears crave for that shrill ringing, which was a music to the ears when rung at the end of the last period. Dear school, without you, these virtual classes seem bland and life is at a standstill. But I'm sure we are about to climb your expecting steps soon.

Sanisa Patrikar, class X, D.A.V Public School, Thane

THE EDUCATIONIST

'Any curriculum change should be holistic in nature'

Simmi Juneja, principal of DAV Public School Thane, with years of experience in the field of education shares some interesting insights in this interview. Excerpts:

Q: What are your views on National Education Policy?

The NEP, erected on the pillars of 'Access, Equity, Quality, Affordability and Accountability' has laid the path for reforms in both school and higher education. As it is comprehensive, farsighted and focusing on vocational education, learning will now be more enjoyable, integrative and holistic. It's indeed a welcome move with the multilingual flexibility, where each language is given its due importance in our diverse country with a cornucopia of languages. Framed with an eye on the future, I wish this curricular overhaul creates well-rounded individuals with new age skills.

Q: How does DAV's mission of blending Vedic values and technology benefit the students?
Aristotle once said, 'Educating the mind without educating the heart is no education at all'. Instilling in our young minds our rich Vedic values, DAV ethos and principles is as indis-



Simmi Juneja, Principal

It is definitely not as easy as it sounds. Being a principal, I always follow the principle of being resilient and converting every adversity into an opportunity. To begin with, it is ensured that the teachers prepare high quality digital lessons and addressing their technical issues is given priority. We periodically conduct counselling sessions for the students and parents for their physical, emotional and psychological well-being. To conclude, I am trying to support and guide all the stakeholders during the pandemic.

Q: What are your views on CBSE's decision of syllabus reduction?
I think CBSE had made such a decision considering the students; especially those who have remote possibility of attending virtual classes. It would be a relief even to those attending virtual classes.

As told to Sanisa Patrikar, class X, D.A.V. Public School, Thane

THE EDUCATIONIST Coding - The Next Universal Language

SIMMI JUNEJA, PRINCIPAL, D.A.V PUBLIC SCHOOL, THANE

In the current global scenario, we are facing unprecedented social, economic and environmental challenges driven by accelerating globalisation and a faster rate of technological developments. At the same time, those forces are providing us with myriad new opportunities for human advancement. It is a time to reimagine and reorient the spectrum of education by reinforcing curiosity, imagination, resilience and self-regulation.

To prepare our students for the world of artificial intelligence, robotics, machine learning and Coding, an array of opportunities have emerged. These opportunities bring an amazing transition in the mind-



Simmi Juneja, Principal

sets of learners - The Coding Mindset. This mindset reflects a gradual development of computer programming knowledge and strategies including analysing systems, solving problems, persisting in the face of errors, being resourceful and collaborating.

Coding is just another language, and children adapt quickly to learn new languages faster than older people. Besides giving them a quick start for the future of work, compared to

other forms of numeric sciences, learning to code can enhance children's creativity and builds logical thinking as it requires a focus on solving a specific challenge. This teaches children to evaluate situations from different perspectives and propose creative solutions and also helps them to find diverse substitutes. Coding enhances collaborative and communication skills - the skills of 21st Century.

Jeannette Wing, a renowned computer science researcher coined the term computational thinking to denote attitudes and skills, including problem-solving and analysing systems, that can be drawn from fundamental concepts of computer science. DAV Thane recently conducted 'Inception of Coding' workshop by our proud alumnus Madhav Sharma. Computer Science major at Arizona State University. The workshop received an overwhelming response by the students and parents.

To develop as a coder, we require persistence, effort and patience. As educators, we are committed to helping every learner develop as a holistic personality fulfil his or her potential and shape a shared future built on the well-being of individuals, communities and the world.

The Coding Mindset reflects a gradual development of computer programming knowledge and strategies including analysing systems, solving problems, persisting in the face of errors, being resourceful and collaborating

डॉ. ए.वी. थाणे (मुंबई) में ग्लोबल हेन्डवॉशिंग दिवस

डॉ. ए.वी. थाणे (मुंबई) में कॉलेज स्तर पर के इस दौर में सार्वजनिक सार-सर्वर के साथ-साथ मुख्य रूप से छात्रों को कैसे सही ढंग से हाथ धोना सिखाया जा रहा है। इस अवसर पर डॉ. थाणे ने छात्रों को सही ढंग से हाथ धोना सिखाया।



की सहायता से इस अत्यंत आवश्यक चरण को सुनिश्चित किया गया है।

डॉ. थाणे ने इस अवसर में छात्रों को सही ढंग से हाथ धोना सिखाया।

विद्यार्थियों के छात्रों ने अपना स्वास्थ्य बनाए रखने के लिए 'नामक' अभियान को अत्यंत करिब, स्वस्थ, सफाई, मुझे अच्छे द्वारा समर्थन देना।

विद्यार्थियों की सहायता से सहायता मिल रही है। डॉ. थाणे ने छात्रों को सही ढंग से हाथ धोना सिखाया।

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Satvika Vyavhare
DAV School, Thane
Thane city topper

99%

"I did not have any fixed method or timetable while studying. I wish to take up a career in research and pure sciences."

दै सागर

सीबीएसईचा दहावीचा निकाल जाहीर ९९.४६ टक्के विद्यार्थी उत्तीर्ण

नवी दिल्ली :- सेन्ट्रल बोर्ड ऑफ सेकंडरी एजुकेशनचा दहावीचा निकाल जाहीर झाला आहे. निकाल डिजीलॉकर आणि उमंग ॲपवर उपलब्ध आहे. यावर्षी ९९.४६ टक्के टक्के विद्यार्थी उत्तीर्ण झाले आहेत. ज्यामध्ये ९३.३९ टक्के मुली तर ९०.९४ टक्के मुलांचा समावेश आहे. त्रिवेंद्रम, चेन्नई आणि बंगळूरु या ३ शहरातील विद्यार्थ्यांनी चांगले यश मिळवले आहे. मागील वर्षी देखील त्रिवेंद्रम पहिल्या स्थानावर होतं. येथे ९९.८५ टक्के विद्यार्थी उत्तीर्ण झाले होते. तर चेन्नई पुन्हा दुसऱ्या स्थानावर आहे. मागील वर्षी येथे ९९ टक्के विद्यार्थी उत्तीर्ण झाले होते.

ठाण्यातील डीएचडी पब्लिक स्कूलची विद्यार्थी सात्विका व्यवहारे हिने सीबीएसई बोर्डाच्या दहावीच्या परीक्षेत ९९ टक्के गुण मिळाले असल्याने तिचा कुटुंबाने आनंद व्यक्त केला आहे. तर अंबर इंटरनॅशनल स्कूलचा निकाल ९०० टक्के लागला. यंदाहि मुलींनी अव्वल क्रमांक पटकावला.
(छाया:वीपक कुरकुंडे)

02

SCHOOL IS COOL

CBSE TOPPERS ROCK

Name: Satvika Vyavhare
Board: CBSE
School: DAV Public School, Thane
Percent: 99

The true secret of success lies in just giving your best and not worrying about the results. A sheet of paper cannot define our future, only our determination can.