## PROCEEDINGS OF THE DIRECTOR OF SCHOOL EDUCATION & STATE PROJECT DIRECTOR, SAMAGRA SHIKSHA, TELANGANA, HYDERABAD

### Present:- *Dr. E. Naveen Nicolas, I.A.S.*

**Rc.No.463/C&T/ET/SCERT/TG/2025**                    **Date:24.06.2025**

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| **Sub:** | | SCERT, TG, Hyderabad - School Education Department - **Improvement of learning outcomes of the students of classes VI to Intermediate in Mathematics and Science** by utilizing the digital content of Khan Academy - Instructions for implementation in KGBV/TGMS/ TREIS/Govt/ZP High Schools from the Academic Year 2025-26 – Issued - Reg. |
| **Ref:** | | Non-financial Memorandum of Understanding between School Education Department, Govt. of Telangana and Khan Academy India Dt: 15-06-2025. |

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The attention of all the RJDSEs and District Educational Officers & EO-DPOs, SS in the State is invited to the subject and reference cited and they are informed that, in an effort to address the learning gaps identified in NAS and other assessments in Telangana, a digital learning initiative using Khan Academy content is being introduced. This initiative supports regular classroom teaching by providing free, high-quality digital content in Mathematics and Science.

The key advantage for teachers is that this content supplements their classroom instruction, reinforces key concepts, and helps in better planning of lessons. It allows teachers to track each student's progress, identify learning difficulties, and offer targeted support. This enhances classroom effectiveness, reduces the burden of reteaching, and improves overall learning outcomes.

In this connection, a non-financial MoU has been entered between Khan Academy India and the School Education Department, Govt. of Telangana on 15.06.2025 to improve the learning out comes of the students studying in the classes VI to Intermediate in Mathematics and Science subjects in Model Schools, KGBVs, TREIS, Govt. and Local Body High Schools under school education department by utilizing the digital content of Khan Academy.

The main objective of this program is to strengthen the student's conceptual understanding and to empower teachers with necessary tools for real-time tracking of the performance of the students.

In this regard, orientation has been given to all District Educational Officers and Mandal Educational Officers at MCRHRD, Hyderabad in the month of May/June, 2025 for effective supervision. Also, a one-day training programme has been conducted for teachers of KGBVs, Model Schools and TREIS @ two teachers per school i.e. one mathematics and one science at MCRHRD, Hyderabad in the month of April/May, 2025.

Further, the programme shall be extended to Govt. and Local body high schools and the teacher training shall be taken up in this regard.

Improvement of learning outcomes of the students of classes from VI to Intermediate in Mathematics and Science through web portal of Khan Academy is as follows:

1. **Implementation Steps:**
   a) **School Registration** on Khan Academy (KA) platform (web portal www.khanacademy.org)
   b) **Creation of e-classroom** on KA platform by the teacher and creating username & password for all the students.
   c) **Assigning the topic to students** from KA platform for viewing the video content and for doing the online exercises after the topic is taught in the regular class.
   d) **Viewing of the KA videos** played on the IFPs by the teachers in the classroom
      - Viewing of KA videos by students of classes ($6^{th}$ to $12^{th}$) through IFPs/Computer Lab – group activity by using login credentials of teachers / students.
      - The following are the steps to access KA videos:
        o **Step 1** - www.khanacademy.org
        o **Step 2** - Click on 'Explore' on top left page to open course menu
        o **Step 3** - Teacher can select the grade/subject from the course menu
        o **Step 4** - Teacher can select the unit they want to teach
   e) **Completion of the assignments** by the students by accessing their individual accounts through their login credentials.
   f) **Review of the performance** of all the students by the teacher on his / her KA account.
   g) **Teacher further supports** the students by taking data driven decisions.

**With reference to the viewing of KA videos,**

- The existing IFP, Projectors, K-Yans, Computer Labs can be used for showing the Videos to the students
- For each Class, weekly only one Mathematics and one Science period would be used for viewing the KA Videos.
- One of the regular period allotted to Mathematics / Science in a week can be used for viewing the KA Video without any disturbance to the existing time table.

The suggestive time table for viewing of the KA recorded Videos is as follows:

| S. No. | Class | Day Suggested for viewing of KA videos in one period through IFP/Computer Labs in all institutions | |
|---|---|---|---|
| | | Mathematics | Science subjects |
| 1 | 2 | 3(a) | 3 (b) |
| 1 | Class 6 | Monday | Tuesday |
| 2 | Class 7 | Tuesday | Wednesday |
| 3 | Class 8 | Wednesday | Thursday |
| 4 | Class 9 | Thursday | Friday |
| 5 | Class 10 | Friday | Saturday |
| 6 | Inter 1st year | Monday | Tuesday |
| 7 | Inter 2nd year | Tuesday | Monday |

**Completing the online assignments (Practice Sessions) by Students after viewing the KA Videos:**

| S. No. | Class | Day Suggested for Practice by students - after school hours /Holidays or any time as decided by concerned School Heads | |
|---|---|---|---|
| | | Maths | Science |
| 1 | Class 6 | Monday | Tuesday |
| 2 | Class 7 | Tuesday | Wednesday |
| 3 | Class 8 | Wednesday | Thursday |
| 4 | Class 9 | Thursday | Friday |
| 5 | Class 10 | Friday | Saturday |
| 6 | Inter 1st year | Monday | Tuesday |
| 7 | Inter 2nd Year | Tuesday | Monday |

- The concerned HM / Principal may make modifications in the above suggested time table as per availability of computer devices and local needs.
- Basing on the availability of number of devices (Computers / Laptops / Tabs), the school heads shall prepare a detailed student wise timetable to access the available devices for completion of assignments.

(Audio Video Content) and online practice sessions, concerned subject teachers should monitor the programme.

*Note: In Govt. / ZP Schools the HMs shall conduct a Parents Teachers Meeting and explain about the Khan Academy content to the Parents and inform them that the school is showing the Khan Academy content to the students twice in a week in the school and if they have a smart phone they can give it to their children at home for around two hours in a week and the performance of their children would be tracked online and the parents would be briefed about the performance of their children in the subsequent parents teachers meeting.*

Further it is instructed that,

1. The viewing of KA videos and online practice sessions shall be monitored by the concerned subject teachers and school heads.
2. Best performing students, teachers and school heads shall be acknowledged and rewarded by the DSE, District Collectors and DEOs.
3. A virtual fortnightly meeting shall be conducted by the DSE with all the concerned Head of the Institutions, Mathematics / Science teachers / MEOs / DEOs.
4. In the ensuing Parents Teachers Meeting in Govt. / ZP Schools, KGBV, TG Model Schools, TREIS, the school heads shall orient the parents about improving the learning outcomes through the present initiative and inform them that,
   a) The school is showing the Khan Academy content to the students twice a week in the school as per the schedule.
   b) In case of day scholar schools, if the parents have a smart phone, they can give it to their children for around two hours in a week after school hours.
   c) The performance of their children would be tracked online.
   d) The parents would be briefed about the performance of their children in the subsequent parents' teachers meeting.

These are initial instructions and based upon the feedback received during subsequent implementation of the program, modifications if any shall be issued by DSE.

For implementation and monitoring the above program a committee is constituted with following members:

**From School Education Department:**

| Sl. No. | Name of the Officer | Designation | Mobile Number | Email Id |
|---|---|---|---|---|
| 1 | Smt. M. Radha Reddy | ASPD, SS | 7702201225 | kasturbatelangana@gmail.com |
| 3 | Sri. CH. Ramanakumar | Secretary TREIS | 9701345239 | treisacademics@gmail.com |
| 4 | Sri. S. Srinivasachary | Addl. Director, Model Schools | 7416451135 | telangana.ms.rmsa@gmail.com |
| 5 | Sri. G. Ramesh* | Director, SCERT | 9059938909 | tg.scert@gmail.com |

* Single Point of Contact from School Education Department would be Sri G. Ramesh, DSCERT.

**From Khan Academy:**
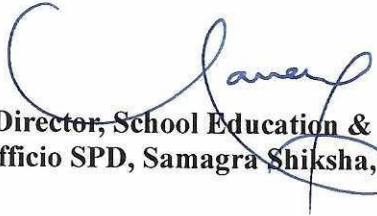
| Sl. No | Name of the Officer | Designation | Mobile Number | Email Id |
|---|---|---|---|---|

| 1 | Ms. Swati Vasudevan | Managing Director | 9711217962 | swati@khanacademy.org |
|---|---|---|---|---|
| 2 | MS. Shubhra Mittal | Head, Government Partnerships | 9910011990 | shubhra@khanacademy.org |
| 3 | Mr. Gaurav Jha* | Senior Program Lead | 9029014965 | gaurav@khanacademy.org |

\* Single Point of Contact from Khan Academy would be Mr. Gourav Jha, Senior Programme Lead

For any further technical support, please contact Khan Academy Helpline No.011-41168778 (Monday-Saturday – 9 am to 6 pm). Khan Academy WhatsApp Support link-http://wa.me/917303882661.

All the RJDSEs & DEOs are instructed to communicate the above instructions to Govt., Local Body high schools, KGBVs, Model Schools, TREIS and ensure effective implementation of the programme.

**Encl**: Teacher Handbook.

Director, School Education &
Ex-officio SPD, Samagra Shiksha, TG

To,
The Regional Joint Director of School Education, Hyderabad and Warangal.
All the District Educational Officers & Ex-Officio Project Officers in the State.
The Secretary, TGREIS, Hyderabad.
The Additional Director Model Schools, Hyderabad.
The Addl. SPD, Samagra Shiksha, TG, Hyderabad.
Copy submitted to Secretary, Education Dept., Govt. of Telangana, Hyderabad.
Copy to all the District Collectors & Magistrate in the State.