




ATAL INNOVATION MISSION

ATAL TINKERING LAB



ORIENTATION BROCHURE

Dear ATL

Congratulations on being selected to establish an Atal Tinkering Lab (ATL)! We welcome you to the ATL-AIM community 😊

Atal Tinkering Lab is an interactive workspace to inspire creativity and innovation. As you begin your journey, please go through the following points to ensure that you have an enriching learning experience:

1 ATL ESTABLISHMENT

Schools are expected to set up your ATL within 3 months from the date of receipt of ATL grant. We have created a set of ATL guidelines and ATL informational videos, that will help you in the ATL establishment process.



AIM WEBSITE

<https://aim.gov.in/resources.php>

2 FINANCIAL TRANSACTION THROUGH PFMS

All ATLs are required to use the PFMS system for any financial transaction pertaining to the ATL. Schools need to register vendors on PFMS for all the payments and advances.



PFMS GUIDELINES AND USER MANUAL

<https://aim.gov.in/pdf/Guidelines-for-registration-on-PFMS.pdf>

3 PROCUREMENT THROUGH GEM

Please note that it is mandatory to procure all ATL equipment and services through GeM portal. To create your GeM portal, please submit your request via the link : bit.ly/ATLGeM.



PROCUREMENT GUIDELINES

https://aim.gov.in/pdf/Procurement_Guidelines.pdf

4 ATL SOCIAL MEDIA

All ATLs are encouraged to create Facebook and Twitter accounts, share your ATL activities, innovation stories, tag Atal Innovation Mission, and follow us for regular updates, at:



FACEBOOK

<https://www.facebook.com/AIMToInnovate/>



YOUTUBE

<https://www.youtube.com/c/AIMtoInnovate>



TWITTER

<https://twitter.com/AIMtoInnovate>



LEARN HOW TO OPEN FACEBOOK ACCOUNT

<https://youtu.be/LDnSbsCpkNE>

5 ATL TEACHER TRAINING

It is mandatory for an ATL In-charge to undergo teacher training sessions conducted by AIM-NITI and its partners. The ATLs shall be informed regularly about teacher training programs, being organized by NITI Aayog or partners, through email.



ATL TEACHER TRAINING

https://aim.gov.in/pdf/ATL_Teacher_Training.pdf

6 ATL CURRICULUM

The ATL in-charge should integrate ATL curriculum in your regular school time table.



ATL CURRICULUM RESOURCES

<https://aim.gov.in/resources-for-atl-incharge.php>

7 ATL ANNUAL CALENDAR OF ACTIVITIES

All ATLS are encouraged to participate in ATL-AIM activities and external innovation events.



ANNUAL CALENDAR FOR ATL ACTIVITIES

<https://aim.gov.in/pdf/ATL-annual-calendarof-activities.pdf>

8 MY ATL DASHBOARD

It is mandatory for every school to fill the monthly report and submit. Please log in to My ATL dashboard and share your monthly report with us.



MY ATL DASHBOARD

<https://aim.gov.in/atl/index.php>

9 RELEASE OF SUBSEQUENT ATL FUNDS

All ATLS shall be evaluated on a monthly and yearly basis, using My ATL dashboard and on-site visits. The release of subsequent funds shall be a function of the performance of an ATL. The ATL will be required to submit a Utilization Certificate, through the PFMS system to apply for subsequent tranches.

10 ATL QUERY RESOLUTION

- For any query, write to us at 'ATL Helpline - Query Resolution', available on the AIM website.

11 ATL MENTOR OF CHANGE

- Each ATL shall be assigned a Mentor of Change, through AIM, NITI Aayog. The details for the mentors shall be shared on the registered email address of the ATL in-charge. The mentors shall connect with you directly, to coordinate the mentoring sessions for your ATL.

12 UPDATE ATL CONTACT DETAIL

In case you would like to update your contact details in our ATL database, kindly log on to the My ATL dashboard and update the details.

13 ATL HANDBOOK

AIM has created the ATL handbook, which captures best practices and case studies for smooth running of your ATL.



ATL HANDBOOK

https://aim.gov.in/The_ATL_Handbook.pdf

14 ARTICLES TO HELP YOU UNDERSTAND THE PHILOSOPHY OF AN ATL

a. Building Grassroots Student Entrepreneurs



<http://www.livemint.com/Opinion/DukEsTuahzvuBIA3KUZVNK/Building-grassroots-student-innovators.html>

b. Atal Tinkering Lab (ATL): An opportunity to experience innovation in school



<http://niti.gov.in/content/atal-tinkering-lab-atl-opportunity-experience-innovation-school#>

c. Why it is important to create and foster entrepreneurial mind-set in India's high school students



<https://yourstory.com/2018/02/entrepreneurship-mindset-high-school-students/>

d. Unleashing The Power Of An Innovative Mind



<http://businessworld.in/article/Unleashing-The-Power-Of-An-Innovative-Mind/08-04-2018-145689/>

e. Cash prize awards aren't enough to incentivize young students to Innovate



<http://niti.gov.in/content/cash-prize-awards-arent-enough-incentivize-young-students-innovate>

f. Finding Life's Purpose In Empowering Young Students To Innovate



<http://www.businessworld.in/article/Finding-Life-s-Purpose-In-Empowering-Young-Students-To-Innovate/20-08-2018-158145/>

g. Teachers Day 2018: Young Teachers Transforming Into Modern Age 'Gurus'



<http://www.businessworld.in/article/Teachers-Day-2018-Young-Teachers-Transforming-Into-Modern-Age-Gurus-/05-09-2018-158963/>

We truly believe that your innovations will shape the future of India.

Happy Tinkering 😊

AIM Team
NITI Aayog
Government of India





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ANNUAL CALENDER
OF ACTIVITIES

| NAME OF ACTIVITY | TIMELINE/MONTH | DESCRIPTION/ EXPECTED OUTCOME |
|---|----------------|---|
| National Science Day Celebration | February 28 | <p>Celebrated to mark India's advancements in science and technology. A series of live sessions are organized by NITI Aayog, along with experts.</p> <p>Goal: Attract children to science and technology, and create awareness on the latest technological developments in India and across the globe and inspire them to innovate.</p> |
| ATL Community Day Celebration | April 14 | <p>Celebrated in April across all schools in India as a tribute to the late Dr. B.R. Ambedkar, on the theme of Ambedkar Jayanti.</p> <div data-bbox="648 649 1268 716" style="border: 1px solid black; padding: 5px;">  <p>ATL COMMUNITY DAY GUIDEBOOK https://www.aim.gov.in/pdf/ATL_Community_Day.pdf</p> </div> <p>Goal: Create awareness and introduce the local communities in the neighborhood, to an ATL and experience the world of science and futuristic technologies through various sessions and activities. All ATLs conduct events in their respective schools, as per the guidebook.</p> |
| World Intellectual Property Day Celebration | April 26 | <p>Celebrated on 26th April, where a series of sessions (including facebook live) are organized by NITI Aayog, along with experts, in partnership with CIPAM, DPIT, Govt. of India.</p> <p>Goal: Create awareness on different types of intellectual property and teach students and teachers the process of protecting their IP.</p> |
| National Technology Day Celebration | May 11 | <p>Celebrated to mark India's technological advancements and entrepreneurial spirit. A series of live sessions are organized by NITI Aayog, along with experts.</p> <p>Goal: Attract children to science and technology, and create awareness on the latest technological developments in India and across the globe.</p> |
| ATL Tinkering Festival (ATL Tinkerfest) | May – July | <p>Celebrated in all ATLs in the month of May, June and July to showcase students' innovative solutions.</p> <div data-bbox="648 1460 1268 1528" style="border: 1px solid black; padding: 5px;">  <p>ATL TINKERFEST GUIDEBOOK https://aim.gov.in/pdf/ATL_Tinkering_Festival.pdf</p> </div> <p>Goal: Engage students in creative, innovative, making and entrepreneurial activities, while at home, during their summer vacation. Subsequently, students present their innovations during the showcase at the ATL,</p> |

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|---------------------------------------|-----------------|---|
| Unbox Tinkering: ATL Teacher Training | All year round | <p>A series of residential ATL orientation and teacher training workshops are organized, by AIM, NITI Aayog, through multiple partners.</p> <p>Goal: To introduce ATL teachers to the concept and philosophy of ATL and tinkering, and provide them with the know-how of ATL equipment, design thinking and innovation process and 21st century skills of ATL.</p> |
| ATL School of the Month Challenge | July – August | <p>A challenge for all ATLs, where schools are required to submit innovative solutions on selected problems statements to AIM, NITI Aayog. The winning ATL teams are awarded with exciting prizes and national level opportunities to showcase their innovative solutions.</p> <p>Goal: To identify top student innovators across India and reward them.</p> |
| ATL Tinkering Marathon | September – May | <p>A national level innovation challenge, where schools identify community problems of their choice, develop innovative solutions in the form of working prototypes or minimum viable product (MVP), and submit to AIM, NITI Aayog. The winning teams are offered several awards to take their innovative solutions to the next level, and also present them at several national level platforms.</p> <p>Goal: To identify top student innovators across India and reward them.</p> |
| Children's Day Celebration | November 14 | <p>Celebrated to recognize the top ATL innovators in each ATL. Each school is required to identify their top 2 student innovators (1 boy and 1 girl) and recognize them, through prizes and certificates.</p> <p>Goal: To celebrate creativity and innovation and provide a recognition platform for students.</p> |

Happy Tinkering 😊



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