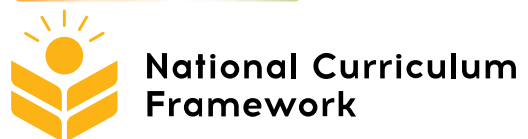




Aligned With



A Product of GoSharpener
Toolkit for Sustainability Activities
Volume 6 to 8 | August 2026-27

MODEL DEMONSTRATION

STEPS TO FOLLOW

- 1 Gather your waste materials
- 2 Watch informational video to attempt the quiz
- 3 Watch activity video to attempt the activity
- 4 Complete the activity
- 5 Click photo & Upload on GoSharpener using the GoSharpener Calculator



EVIDENCE REPORTING

STEPS TO FOLLOW

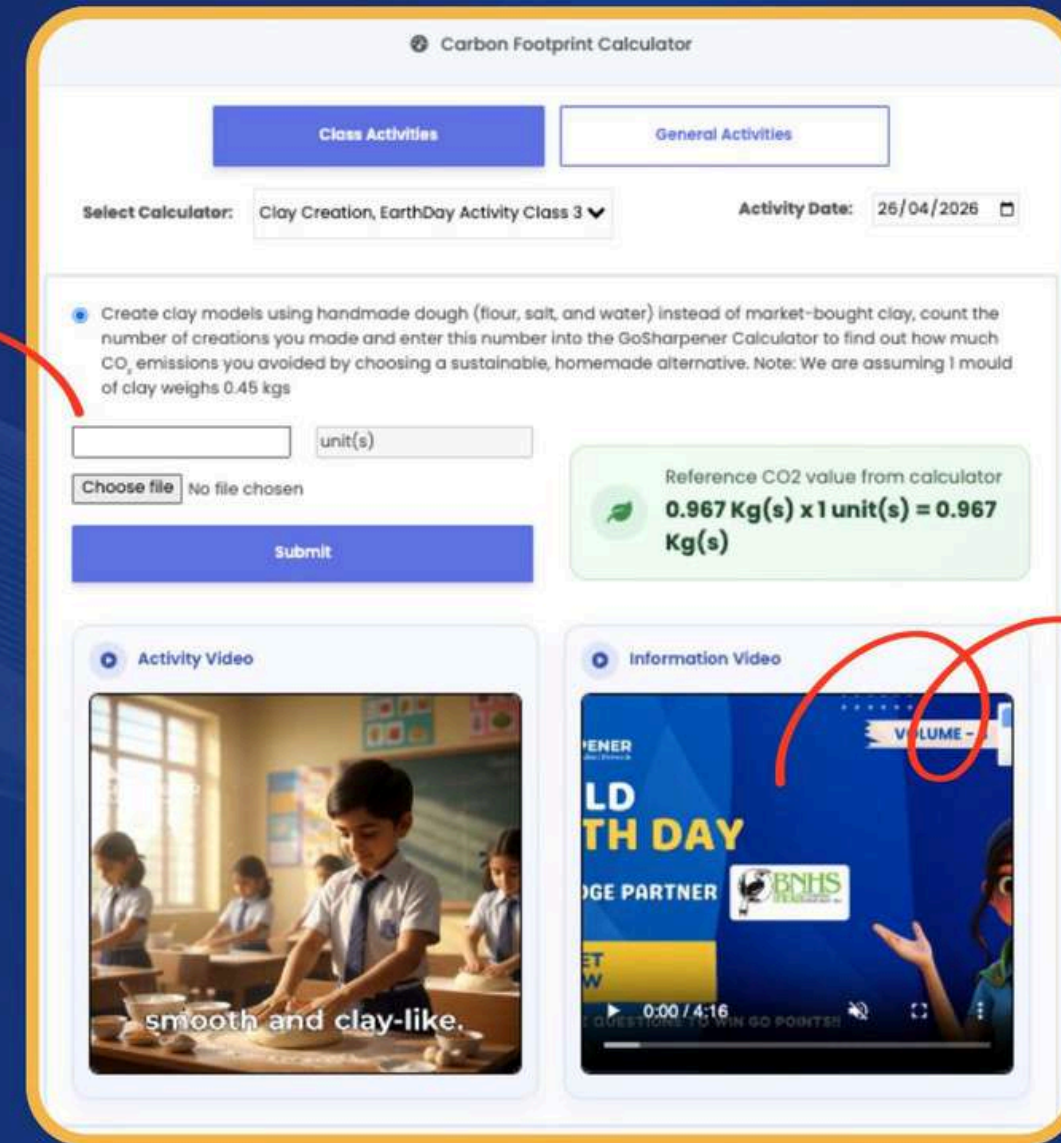
- 1 Download the App
- 2 Login
- 3 Select, "GoPoints Activity"
- 4 Upload Photo
- 5 Tag Class
- 6 Get Certificate

KNOWLEDGE PARTNER-



How to Upload Your Activity on GoSharpener

Enter the required Quantity/Unit, then upload the relevant file



Click on "Activity Video"/"Information video" to learn how to perform the activity.

Month	Date	Day	Grade	Mapped with NCERT/Kaushal Bodh/ Kaushal Vikas/CBSE/SEWA	Chapter/ Part	Activity/ Project No.	SDG Day	Sustainable Practices	Name of the Activity	SDG
August	12	International Youth Day	6	Kaushal Bodh	Part 2: Work with Machines and Materials	Project 4: Animation and Games	1	Sustainable Actions	Animate Your Idea	
	20	Indian Akshay Urja Day	6	Kaushal Bodh	Part 3: Work in Human Services	Project 6: Cooking without Fire	2	Sustainable Actions	Zero-Fire Smoothie Bowl	

INSTRUCTIONS FOR CONDUCTING ACTIVITY INTERNATIONAL YOUTH DAY

[Info Video](#)

[Activity Video](#)

Name of Activity: Animate Your Idea

Material Required

- Computer or laptop with Internet connection
- A sheet of loose paper or cardboard (for your storyboard)
- A pen or pencil

Step-by-Step Activity Flow

Step 1: Create a Scratch Account

- Open your web browser and go to scratch.mit.edu.
- Click the "Join Scratch" button located in the top-right corner of the page.
- Create a unique username (do not use your real name) and choose a strong password.
- Select your country, birth month, year and enter your teacher's or parent's email ID to complete the registration.
- Open your email inbox, look for the verification mail from Scratch and click "Confirm my email address" to unlock project sharing.

Step 2: Draw Your Physical Storyboard

- Take a loose sheet of paper or a piece of cardboard.
- Use your pen to sketch out a layout of your game or animation scenes.
- Write down the specific youth characters, background settings and dialogue text.
- Plan out your positive action message (e.g. community care) on this sheet before coding.

Step 3: Set Up Your Project Stage

- Log into your verified account at scratch.mit.edu and click the "Create" button in the top menu.
- Locate the Backdrop section in the bottom-right corner of the window.
- Choose or import a colourful backdrop image that fits your youth action theme.
- Go to the Sprite section to delete the default cat icon if it is not required for your story.

Step 4: Import and Code Your Youth Character

- Click "Choose a Sprite" to pick a character from the in-built library or upload your own image.
- Select a sprite that represents a young citizen taking positive action.
- Go to the left-hand script panel and drag an "Events" block (such as the green flag block) into the center coding area to trigger your timeline.
- Combine "Motion" and "Looks" blocks to program your character's walking actions or speech bubbles.

Step 5: Add a Youth Action Message and Share Your Youth Action Card

- Choose paint option, click on text element and type to display your Youth Action message on the stage.
- Add a short, positive message that encourages others to make a difference, such as:
"Together We Can Build a Better Future."
"Small Actions, Big Impact."
"Care for Your Community."
- Press the Green Flag to check that your Youth Action Card runs smoothly and displays your message correctly.
- Click the orange "Share" button at the top of the interface to publish your completed Youth Action Card for others to view.

Evidence: Upload a photo of yourself with your Scratch project running on the screen, along with your completed physical storyboard, using the GoSharpener Calculator on the platform.

INSTRUCTIONS FOR CONDUCTING ACTIVITY INDIAN AKSHAY URJA DAY

[Info Video](#)

[Activity Video](#)

Name of Activity: Zero-Fire Smoothie Bowl

Material Required

- One large ripe banana
- 2 tablespoons of Sattu (roasted chickpea flour)
- 4 tablespoons of thick fresh curd (dahi)
- Extra seasonal fruits (for toppings)
- 1 tablespoon each of sesame seeds and honey
- A wide bowl, a fork and a blunt butter knife
- Step-by-Step Process

Step-by-Step Activity Flow

Step 1: Mash the Banana

- Place one ripe banana inside a wide bowl.
- Mash it thoroughly using a basic steel fork.
- Continue mashing until it forms a smooth paste.

Step 2: Whip the Base

- Add 2 tablespoons of Sattu to the bowl.
- Pour in 4 tablespoons of thick fresh curd.
- Whip the mixture vigorously with your fork for 2 minutes.
- Stop when it looks like thick, creamy pudding.

Step 3: Slice the Toppings

- Bring your extra seasonal fruits from the kitchen.
- Take the help of an elder to slice the fruits carefully into neat discs or cubes.

Step 4: Decorate Your Bowl

- Arrange your fresh fruit slices neatly on top.
- Sprinkle sesame seeds over the bowl.
- Drizzle a little honey or jaggery syrup across the surface.

Step 5: Eat and Power Up

- Observe your finished bowl made completely without fire.
- Eat your high-protein snack to help support muscle growth.
- Enjoy the natural energy boost to power your day.

Evidence: Upload a photo showing yourself holding your decorated Zero-Fire Smoothie Bowl, with all fruit and seed toppings clearly visible, using the GoSharpener Calculator on the platform.

Month	Date	Day	Grade	Mapped with NCERT/Kaushal Bodh/ Kaushal Vikas/CBSE/SEWA	Chapter/ Part	Activity/ Project No.	SDG Day	Sustainable Practices	Name of the Activity	SDG
August	12	International Youth Day	7	Kaushal Bodh	Part 2: Work with Machines and Materials	Project 4: Animation and Games	1	Sustainable Actions	AI Assistant	
	20	Indian Akshay Urja Day	7	NCERT - Curiosity	Part 2: Work with Machines and Materials	Project 4: AI Assistant	2	Sustainable Actions	Solar Eco- Water Neutraliser	

INSTRUCTIONS FOR CONDUCTING ACTIVITY
INTERNATIONAL YOUTH DAY

Info Video

Activity Video

Name of Activity: AI Assistant

Material Required

- A computer or tablet with internet access and a webcam.
- A smartphone or digital camera to capture local photographs.
- Free access to Google's Teachable Machine website (no coding or software installation required).
- Access to the MIT AI Raise Playground platform.

Step-by-Step Activity Flow

Step 1: Gather and Organise Images

- Visit 3 local public infrastructure landmarks in your neighbourhood to help newcomers navigate your community for International Youth Day.
- Follow textbook Sensitivity Guidelines by asking for permission before taking photographs.
- Capture 15–20 photos per landmark to build a strong machine learning dataset. Vary your photos by brightness, angles, backgrounds and distance.

Step 2: Set Up Google Teachable Machine

- Open your browser and navigate to the official Google Teachable Machine website.
- Click Get Started → Image Project → Standard Image Model.
- Create one distinct data class for each landmark and label them clearly (e.g., "Public Dispensary" or "Community Library").
- Upload your 15–20 sorted landmark photos into their matching labeled classes.

Step 3: Train Your Machine Model

- Locate and click the Train Model button on the screen.
- Wait patiently without closing or switching the browser tab while the machine learns to recognise the patterns in your photos.
- Once the training cycle finishes successfully, click Export Model and select Download Model to save your trained files locally.

Step 4: Program Helper Instructions

- Open the MIT AI Raise Playground workspace in your web browser.
- Click File and select Load from your Computer to upload your trained model files.
- Choose a helpful assistant sprite character to guide newcomers.
- Program custom text blocks that link to your classes, instructing the sprite to automatically display landmark timings, weekly off-days and operational details whenever a landmark is recognised.

Step 5: Test and Share Your Assistant

- Run a real-time test using your webcam.
- Hold up brand-new, untrained photographs of the landmarks to check how accurately your AI assistant identifies them.
- If the assistant makes errors, upload more varied photos into Teachable Machine and retrain the model.
- Share your interactive project link with friends to gather feedback!

Evidence: Upload a photo of yourself along with your AI Assistant correctly recognising a landmark and displaying its operational details, using the GoSharpener Calculator on the platform.

INSTRUCTIONS FOR CONDUCTING ACTIVITY
INDIAN AKSHAY URJA DAY

Info Video

Activity Video

Name of Activity: Solar Eco-Water Neutraliser

Material Required

- One large wide bowl
- One small empty glass jar: It must be significantly shorter than the outer bowl's height so there is a clearance gap for the plastic wrap to slope down, condense water, and fill the jar. (Alternative: You can use a heavy-bottom glass cup so it naturally stays stable without needing extra weights inside).
- Dirty or muddy water
- Clear plastic wrap (Alternative: Sticky cellophane food wrap works perfectly).
- One small clean stone: Needed to create a central downward drip point. (Alternative: If using highly adhesive, sticky cellophane, you can simply push it down slightly in the center to form a slope, eliminating the need for a physical stone).
- Mild soap and water (for cleaning)

Step-by-Step Activity Flow

Step 1: Sanitise the Collector

- Wash your glass jar with soap and water and fully dry it.
- Avoid touching the inside of the container with dirty fingers.
- Place 1 or 2 small, clean glass marbles or light pebbles inside the empty collection cup. This adds bottom-heavy stability so the cup doesn't slide or accidentally float when muddy water is added around it.
- Skip the pebbles entirely if you are using a heavy-bottom glass cup that won't float.

Step 2: Lay a Thermal Barrier

- Do not place your bowl directly on cool concrete or metal, as it drains away valuable heat energy. Place a thick folded dry towel, cardboard slice or dark foam mat underneath your large bowl.
- Situate your weighted, clean collection cup directly in the exact center of the dry outer bowl.
- Double-check that the top of the glass jar is lower than the rim of the bowl to ensure adequate space for the sloped condensation roof.
- Step 3: Add Liquid with Shallow Depth
- Slowly pour the muddy water into the outer bowl around the glass cup, ensuring zero splashes land inside the inner container.

- Keep the muddy water layer relatively shallow (around 1 to 2 inches deep). A thinner water profile heats up and vaporizes exponentially faster than a deep pool.
- Step 4: Create a Hermetic, Sloped Roof**
 - Stretch your clear plastic wrap or sticky cellophane food wrap tightly over the rim.
 - If using standard wrap, use a large rubber band or strong tape to bind the film firmly against the exterior walls.
 - If using sticky cellophane, press it tightly against the rim to seal it completely.
 - Create the drip slope: Place your small clean stone exactly over the center of the plastic wrap, directly above the opening of the glass jar.
 - Alternative for sticky wrap: If your cellophane is sticky and strong, you can gently push down the center with your finger to form a permanent 45-degree cone slope without using a stone.Ensure the slope isn't too steep (which tears the wrap) or too flat (which makes droplets pool instead of dripping).
- Step 5: Solar Placement and Forced Condensation**
 - Place the unit in an unshaded spot facing the sun during peak afternoon hours (11:00 AM to 3:00 PM) to capture maximum solar energy.
 - To accelerate condensation drastically, keep the plastic wrap surface cooler than the heated interior. Every 30 minutes, you can lightly mist the top of the plastic wrap with a small splash of cold water or lightly rest a small piece of damp tissue on the outer edges of the film (avoiding the central stone area).
 - Wait for 2–3 hours as water evaporates, condenses on the plastic wrap, and drips into the inner container.
 - Carefully collect the purified water from the cup.
- Evidence:** Upload a photo of yourself standing beside your active Solar Eco-Water Neutraliser under the sun, with clear water droplets visible inside the collection cup, using the GoSharpener Calculator on the platform.

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August	12	International Youth Day	8	Kaushal Bodh	Part 1: Work with Life Forms	Project 2: Feeding and Caring for Farm Animals	1	Sustainable Actions	Green Fodder Silage	
	20	Indian Akshay Urja Day	8	Kaushal Bodh	Part 1: Work with Life Forms	Project 1: Hydroponics: Growing Plants without Soil	2	Sustainable Actions	Building a Hydroponic System using the "Wick Method"	7 AFFORDABLE AND CLEAN ENERGY 

INSTRUCTIONS FOR CONDUCTING ACTIVITY INTERNATIONAL YOUTH DAY

[Info Video](#)
[Activity Video](#)

Name of Activity: Green Fodder Silage

Material Required

- 5–6 soft, slender green fodder leaves (tender maize shoots, soft sorghum or Napier grass)
- Blunt-tipped school craft scissors
- One upcycled polyethylene or High-Density Polyethylene (HDPE) bag or container
- Stiff thread and adhesive tape
- Dry, fallen red hibiscus or red rose petals
- Hot water and a clear cup

Step-by-Step Activity Flow

Step 1: Slice or Snap Fodder

- Collect 5–6 soft green fodder leaves instead of woody stalks.
- Cut them into 2–3 cm pieces using blunt-tipped scissors or carefully twist and snap them into small pieces by hand.

Step 2: Compact the Fodder

- Place the chopped fodder into the upcycled bag or container.
- Press it down firmly using your feet to remove trapped air and eliminate air pockets.

Step 3: Seal for Curing

- Tie the bag tightly with thread and seal it completely using adhesive tape.
- Leave it undisturbed for 2–3 weeks to ferment without opening it.

Step 4: Make the Bio-Indicator

- Steep a handful of dry red hibiscus or red rose petals in hot water for 10 minutes to prepare a natural indicator.
- Mix 25 g of fermented silage with 100 mL of water, allow it to rest for 15 minutes and then filter the mixture.

Step 5: Verify the pH

- Add 5 drops of the natural petal indicator to the filtered silage solution.
- A bright pink colour indicates an optimum pH of 4.0–4.5, while a muddy green colour suggests spoilage caused by air leakage.

Evidence: Upload a photo of yourself holding your opened silage bag, using the GoSharpener Calculator on the platform.

INSTRUCTIONS FOR CONDUCTING ACTIVITY INDIAN AKSHAY URJA DAY

[Info Video](#)
[Activity Video](#)

Name of Activity: Building a Hydroponic System using the "Wick Method"

Material Required

- One used 2L PET plastic bottle
- A cutter or knife (adult supervision required)
- A pair of child-friendly safety scissors
- Waste cotton cloth or thick thread (for the wick)
- Cocopeat or 50% cocopeat mixed with 50% soil
- Mustard seeds (Rai)
- Clean water
- Paint and extra thread (optional for decoration/hanging)

Step-by-Step Activity Flow

Step 1: Cut the PET Bottle

- Take a clean, used 2L PET plastic bottle.
- Ask your teacher or an adult to supervise you while cutting.
- Cut off the top 10–15 cm of the bottle using a cutter or knife.
- Keep both the top funnel section and the bottom reservoir intact.

Step 2: Prepare the Cap Reservoir

- Remove the bottle cap and use child-friendly safety scissors to make a small hole through its centre.
- Thread the cap back onto the top section.
- Invert the top funnel and place it securely inside the bottom section to form the planter.

Step 3: Thread the Cotton Wick

- Cut a strip of waste cotton cloth or thick thread.
- Pass it through the hole in the bottle cap, leaving enough length on both sides.
- Ensure one end hangs into the water reservoir while the other remains inside the planter.

Step 4: Fill the Growth Medium

- Pour clean water into the bottom reservoir.
- Fill the upper planter with cocopeat or cocopeat mixed with a little soil, ensuring the cotton wick is buried inside it.

Step 5: Plant and Observe Capillary Action

- Allow the wick to draw water upward naturally until the soil becomes moist.
- Sow the mustard seeds gently into the moist growing medium (cocopeat/cocopeat mixed with soil).
- Keep the reservoir topped up with water and observe how the wick supplies moisture without using electricity.

Evidence: Upload a photo of yourself holding your completed 2L Wick Hydroponic Planter, with the water reservoir, cotton wick, growth medium and sprouting mustard seedlings, using the GoSharpener Calculator on the platform.

EXPERIENTIAL FIELD VISITS FOR BUILDING POWER PROFILE

1 Goonj Centre Visit – Student Learning Experience

- **Location:** Goonj Centre, New Delhi
- **Visit Date:** 19 August 2026 (World Humanitarian Day)
- **Seats Available:** 60 Students (First Come, First Served)
- **Eligibility:** Students from Classes 8–12
- **Objective:** Experience Goonj's innovative work in circular economy, community development, resource management, and sustainable living through an immersive centre visit.
- **Registration Details:**
<https://forms.gle/aeZcUSpN1EarWFrM9>



INFOGRAPHICS



Today's Youth. Tomorrow's Sustainable Leaders.

Young people make up nearly **16%** of the **world's population**, with over **1.2 billion** people aged **15-24**. By investing in **education, skills, innovation, and leadership**, we empower youth to drive **climate action** and create a more **sustainable future**.
Every sustainable action counts.

Here's How You Can Help: Log in to the platform and report your sustainable action today!



Powering India with Clean Energy

Over 50% of India's installed power generation capacity now comes from **renewable energy** sources (including large hydro). Expanding **clean energy** reduces carbon emissions, **strengthens energy security**, and powers a **greener, more resilient future**.
Be part of the change.

Here's How You Can Help: Log in to the platform and report your sustainable action today!

PLEASE PLACE THESE INFOGRAPHICS IN STRATEGIC LOCATIONS TO SPREAD AWARENESS

INFOGRAPHICS



Guardians of Nature. Keepers of Wisdom.

Indigenous Peoples make up only **6%** of the **world's population**, yet they help protect nearly **80%** of the Earth's remaining biodiversity.

Their traditional **knowledge, sustainable practices**, and deep connection with nature are essential for conserving **ecosystems, protecting wildlife, and building a more sustainable future.**

Here's How You Can Help: Log in to the platform and report your sustainable action today!



Equality Empowers Everyone

Women make up nearly half of the **world's population**, yet many continue to face **barriers in education, employment, and leadership.**

Advancing **gender equality** builds **stronger economies, healthier communities**, and a more inclusive, **sustainable future** for all.

Make equality a daily action.

Here's How You Can Help: Log in to the platform and report your sustainable action today!

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SHARP ACTION

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