



Sustainability Implementation Plan for HOTELS

1. Initial Assessment and Goal Setting

- Conduct an environmental impact audit (energy consumption, water usage, waste management).
- Set short-term, medium-term, and long-term sustainability goals (e.g., reducing waste, using renewable energy, eco-friendly procurement).

2. Energy Efficiency Measures

- Install LED lighting and motion sensors in common areas and guest rooms.
- Use smart thermostats and energy-efficient appliances.
- Encourage guests to participate in an energy-saving program (e.g., towel and linen reuse policy).
- Invest in renewable energy sources such as solar panels.

3. Water Conservation Strategies

- Install water-saving fixtures such as low-flow toilets and showerheads.
- Use rainwater harvesting systems for irrigation.
- Implement a towel and linen reuse program to minimize laundry water consumption.

4. Waste Management and Recycling

- Establish a waste separation and recycling system in guest rooms and common areas.
- Reduce single-use plastics by providing refillable toiletries and reusable water bottles.
- Partner with local charities to donate unused food and leftover amenities.
- Compost organic waste from the kitchen and dining areas.

5. Sustainable Procurement and Local Sourcing



- Source food and beverages from local and organic suppliers to reduce the carbon footprint.
- Use biodegradable, compostable, or recyclable packaging and materials.
- Select eco-certified cleaning and laundry products.
- Collaborate with suppliers that follow ethical and sustainable practices.

6. Sustainable Guest Experience

- Provide guests with eco-friendly transportation options, such as bike rentals and electric vehicle charging stations.
- Offer sustainable tourism experiences, such as guided eco-tours and cultural immersion activities.
- Educate guests on the hotel's sustainability efforts through digital signage, in-room tablets, or brochures.

7. Employee Engagement and Training

- Train staff on sustainability best practices and energy conservation.
- Encourage employee involvement through green initiatives and reward programs.
- Appoint a sustainability officer to oversee implementation and monitor progress.

8. Monitoring and Continuous Improvement

- Track key performance indicators (KPIs) such as energy consumption, water usage, and waste reduction.
- Gather guest feedback on sustainability initiatives and implement improvements.
- Pursue sustainability certifications such as Green Key or LEED to enhance credibility.

By implementing this plan, the hotel will reduce its environmental impact, attract eco-conscious travelers, and enhance its reputation as a responsible hospitality provider.



Lesson Plan 1 – Introduction to Hotel Sustainability

Class: 12th B grade

Duration: 50 minutes

Topic: How hotels can reduce their environmental impact through sustainability practices

Learning Objectives

By the end of this lesson, students will be able to:

- Define sustainability in the context of the hospitality industry.
- Identify the main environmental challenges hotels face.
- Set realistic short-, medium-, and long-term sustainability goals for a hotel.

Materials Needed

- Projector/slides with images of eco-hotels.
- Handouts with the Sustainability Implementation Plan summary.
- Flipchart/markers.
- Worksheets for group activity.

Lesson Outline

1. Warm-up (5 min)

- Teacher asks: *"What comes to mind when you hear 'eco-friendly hotel'?"*
- Students brainstorm and answers are written on the board.

2. Presentation (15 min)

- Teacher explains the concept of hotel sustainability using real examples.
- Focus on:
 - **Initial Assessment and Goal Setting** (audits, identifying problems).
 - **Energy Efficiency Measures** (LEDs, solar panels, towel reuse).
- Show images/videos of sustainable hotels.

3. Group Activity (20 min)

- Students are divided into groups of 4–5.
- Task: Imagine they are consultants for *Milcov Hotel*. Write down **3 sustainability goals** (short-, medium-, long-term).
- Each group presents their goals briefly.



4. Wrap-up and Reflection (10 min)

- Class discusses: *"Why are sustainability goals important for the hotel and the guests?"*
- Teacher summarizes key takeaways.

Assessment

- Observation of group participation.
- Quality of the goals presented.
- Short oral feedback at the end.

Lesson Plan 2 – Practical Sustainability Strategies in Hotels

Class: 12th B grade

Duration: 50 minutes

Theme: Applying concrete sustainability practices in hotels

Learning Objectives

By the end of this lesson, students will be able to:

- Describe concrete strategies for reducing energy, water, and waste in hotels.
- Propose guest-friendly eco-initiatives that enhance the hotel's reputation.
- Work in groups to solve practical sustainability challenges.

Materials Needed

- Case studies or role-play cards (problem situations).
- Poster paper/markers for group work.
- Handouts with sections of the sustainability plan.

Lesson Outline

1. Warm-up (5 min)

- Teacher shows a plastic water bottle and asks: *"What would be a sustainable alternative for a hotel to offer?"*

2. Presentation (15 min)

- Teacher explains:
 - **Water Conservation Strategies** (low-flow fixtures, rainwater harvesting).



- **Waste Management and Recycling** (composting, donating food).
- **Sustainable Procurement** (local sourcing, eco-certified products).
- **Sustainable Guest Experience** (bike rentals, eco-tours).

3. Role-play/Problem-solving (20 min)

- Groups receive cards with scenarios:
 - *The hotel has too much food waste from the buffet.*
 - *Guests complain about single-use plastic bottles in rooms.*
 - *Energy bills have increased dramatically.*
- Students brainstorm and present sustainable solutions on posters.

4. Wrap-up and Reflection (10 min)

- Groups present their solutions.
- Teacher highlights how sustainability also improves guest satisfaction and reduces costs.

Assessment

- Active participation in role-play.
- Creativity and feasibility of proposed solutions.
- Teacher's feedback on group posters.

Student Worksheet – Hotel Sustainability

Class: 12th B Grade

Name: _____

Date: _____

Part I – Introduction to Sustainability (Lesson 1)

1. Brainstorming

Write down **three ways a hotel might negatively impact the environment:**

1. _____
2. _____



3. _____

2. Sustainability Goals

Fill in the table with **one goal** for each time frame:

Time Frame	Example	Your Goal
Short-term (1 year)	Install LED lighting in guest rooms	_____
Medium-term (2–3 years)	Reduce water consumption by 20%	_____
Long-term (5+ years)	Get eco-hotel certification	_____

3. Reflection

Why is it important for a hotel to set sustainability goals?

Part II – Practical Strategies (Lesson 2)

4. Multiple Choice

Tick ✓ the practices that are **sustainable**:

- ☐ Offering single-use plastic bottles in every room
- ☐ Composting kitchen food waste
- ☐ Donating leftover meals to local charities
- ☐ Keeping lights on in empty hallways
- ☐ Installing low-flow showerheads
- ☐ Providing reusable water bottles for guests

5. Matching Exercise

Match the **strategy** to the correct **benefit**:

- A. Install solar panels
- B. Introduce towel & linen reuse program
- C. Source food from local farmers
- D. Provide bike rentals for guests

1. Supports the local economy and reduces transport emissions



2. Reduces electricity bills and carbon footprint
3. Cuts water and laundry costs
4. Encourages eco-friendly transportation

Answer: A-, **B-**, C-, **D-**

6. Problem-Solving Scenarios

Work in small groups. For each scenario, write down a **sustainable solution**:

a) The hotel buffet produces a lot of food waste every day.

Solution: _____

b) Guests complain about too much plastic packaging in the rooms.

Solution: _____

c) The hotel's energy bills have increased dramatically.

Solution: _____

7. Mini Action Plan

Write down **3 concrete steps** MILCOV Hotel could take this year to become more sustainable:

1. _____
2. _____
3. _____

Reminder for Students: Keep this worksheet – at the end of the unit we will compare your ideas with *real sustainability practices used by hotels around the world*.



Luxury Meets Sustainability

Experience elegance with a green touch!



HOTEL MILCOV

Our hotel is committed to reducing environmental impact while maintaining world-class luxury

- ✓ Energy-efficient lighting & smart climate control
- ✓ Organic, locally sourced ingredients in our restaurants
- ✓ Eco-friendly toiletries & sustainable room amenities
- ♥ Join our Green Stay program; reuse towels & linens to conserve water!



A Greener Stay Starts with You!

- 🌱 Water Conservation: Help us save water by reusing towels & linens.
- 💡 Energy Efficiency Switch off lights & electronics when not in use
- ♻️ Waste Reduction. Use our in-room recycling bins & say no to single-use plastics
- 🌿 Sustainable Dining Enjoy gourmet meals made with seasonal, organic, and locally sourced ingredients



Eco-Luxury at Its Finest

- 🌞 100% Renewable Energy powers our hotel
- 💧 Filtered Water Stations to eliminate plastic bottles
- 🧼 Eco-certified cleaning products for a toxin-free environment
- 🚗 Electric Vehicle Charging Stations available for guests



Make a Difference, One Stay at a Time!

- 🏠 Opt for Green Stay; Keep your towels & linens longer, reduce water & energy waste.
- ☕ Sip Sustainably: Enjoy complimentary free-trade coffee & tea
- 🚲 Explore Responsibly: Rent a bike or use our eco friendly transportation

