

# Trinity Green Labs Checklist

## ENERGY EFFICIENCY

- Regularly clean and maintain cold storage units.
- Close the sash on fume hoods when not in use.
- Install timers on equipment that doesn't need to be powered 24/7
- Replace old lighting with energy-efficient LED bulbs and install motion sensors to reduce electricity waste

## WASTE MANAGEMENT

- Incorporate Refuse, Reduce, Reuse, Reform, and Recycle in the lab
- Limit the use of single-use plastics by opting for reusable labware where possible
- Ensure hazardous and non-hazardous waste is separated and disposed of according to local regulations

## WATER CONSERVATION

- Install low-flow aerators on taps to reduce water usage by up to 50%.
- Run autoclaves and dishwashers only when fully loaded to optimize water and energy use.
- Encourage lab members to report water leaks immediately to prevent waste.

## SUSTAINABLE PROCUREMENT

- Buy from suppliers committed to sustainable practices
- Collaborate with other research groups for bulk orders.
- Utilize shared equipment or core facilities to minimize unnecessary purchases.
- Regularly maintain lab equipment to extend its lifespan and prevent waste from early breakdowns

## GREEN CHEMISTRY

- Always seek less toxic, greener alternatives to traditional reagents and chemicals.
- Participate in chemical sharing facilities to minimize the need for excess chemical purchases.