Experiment Shopping List

Time Travel Experiment Shopping List

- 1. **Microwave Generator**
 - Frequency Range: 10 GHz to 30 GHz
 - Wavelength: 0.01 m (1 cm)
 - Power Output: Adjustable, minimum 1 W
- 2. **Waveguide**
 - Compatible with microwave wavelengths
 - Material: Aluminum or Copper
- 3. **Microwave Antennas**
 - High-precision directional antennas for emission and detection
- 4. **Frequency Meter**
 - Range: 1 GHz to 40 GHz
 - Accuracy: ±1 MHz
- 5. **High-Precision Detectors**
 - Photon detectors sensitive to microwave wavelengths
- 6. **Cavity Resonators**
 - Size: Tuned for 1 cm wavelengths
 - Application: Controlling microwave photon emissions

7. **Oscilloscope**

- Frequency Range: Up to 50 GHz

- Features: Time and frequency domain analysis

8. **Power Supply**

- Voltage: 0-50 V adjustable

- Current: 0-5 A adjustable

9. **Vacuum Chamber**

- For creating controlled environments
- Size: Medium, with airtight seals

10. **Materials for Gravitational Studies**

- Lead weights or dense materials for gravitational experiments
- Mass range: 10 kg to 50 kg

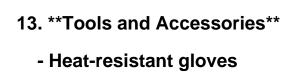
11. **Temperature Sensors**

- Range: -50°C to 500°C

- For monitoring heat energy experiments

12. **Chemicals for Energy Experiments**

- Sodium bicarbonate
- Acetic acid (vinegar)
- Hydrogen peroxide
- Copper sulfate solution



- Insulated wires and connectors
- Screwdrivers and wrenches
- Multimeter

14. **Data Logging Equipment**

- Computer interface for real-time data logging and analysis
- Software: Python or MATLAB-compatible tools

15. **Safety Equipment**

- Safety goggles
- Fire extinguisher
- First aid kit

Estimated Budget: Ensure to check local suppliers for availability and pricing.