**Research physical computing**

**Time to Water the Christmas Tree**

A christmas tree in a room

AI-generated content may be incorrect.

[Time to Water the Christmas Tree : 5 Steps (with Pictures) - Instructables](https://www.instructables.com/Time-to-Water-the-Christmas-Tree/)

**Colour-Reading Glove Using APDS-9960 Sensor**

A glove with wires and electronics

AI-generated content may be incorrect.

[Colour-Reading Glove Using APDS-9960 Sensor : 9 Steps (with Pictures) - Instructables](https://www.instructables.com/Colour-Reading-Glove-Using-APDS-9960-Sensor/)

**Pixel LED Art : Pandol Wall Panel Decorations**

A collage of images of a carnival ride

AI-generated content may be incorrect.

[Pixel LED Art : Pandol Wall Panel Decorations : 19 Steps (with Pictures) - Instructables](https://www.instructables.com/Pixel-LED-Art-Pandol-Wall-Panel-Decorations/)

**Orbit - World's First Orbital Clock. Fully Customizable**

A light fixture on a wall

AI-generated content may be incorrect.

[Orbit - World's First Orbital Clock. Fully Customizable : 7 Steps (with Pictures) - Instructables](https://www.instructables.com/Orbit-Worlds-First-Orbital-Clock-Fully-Customizabl/)

**Digitial-Analog Desk Clock (Alarm Clock)**

A wooden clock with a light up display

AI-generated content may be incorrect.

[Digitial-Analog Desk Clock (Alarm Clock) : 19 Steps (with Pictures) - Instructables](https://www.instructables.com/Digitial-Analog-Desk-Clock-Alarm-Clock/)

Mushroom Lights with NeoPixels and WLED

A group of glowing mushrooms

AI-generated content may be incorrect.

[Overview | Mushroom Lights with NeoPixels and WLED | Adafruit Learning System](https://learn.adafruit.com/mushroom-lights-with-neopixels-and-wled)

Ultrasonic sensor with Arduino

A close-up of a circuit board

AI-generated content may be incorrect.

[Ultrasonic sensor with Arduino - Complete Guide | Arduino Project Hub](https://projecthub.arduino.cc/lucasfernando/ultrasonic-sensor-with-arduino-complete-guide-284faf)

6 DOF Robot Arm from DFRobot Kit

A robot arm with a yellow container

AI-generated content may be incorrect.

[How to Build 6 DOF Robot Arm from DFRobot Kit | Arduino Project Hub](https://projecthub.arduino.cc/lee_curiosity/how-to-build-6-dof-robot-arm-from-dfrobot-kit-f14fca)

**DIY Spooky Halloween Doorbell**

A toy spider on a web

AI-generated content may be incorrect.

[DIY Spooky Halloween Doorbell: Easy Electronics Project With ESP32 E 3D Printed : 6 Steps (with Pictures) - Instructables](https://www.instructables.com/DIY-Spooky-Halloween-Doorbell-Easy-Electronics-Pro/)

**Conways Game of Life - Running on an ATtiny13!**

A device with a red tube inside

AI-generated content may be incorrect.

[Conways Game of Life - Running on an ATtiny13! : 6 Steps (with Pictures) - Instructables](https://www.instructables.com/Conways-Game-of-Life-Running-on-an-ATtiny13/)