

# Electronics

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# **Part I**

## **Electric circuits**

# Chapter 1

## Batteries, wire and resistors

### 1.1 Basics

#### 1.1.1 Batteries

#### 1.1.2 Wires

### 1.2 Basic things

#### 1.2.1 Resistors

#### 1.2.2 Amps

#### 1.2.3 Volts

### 1.3 Circuitry

#### 1.3.1 Sequential resistors

#### 1.3.2 Parallel resistors

### 1.4 More

#### 1.4.1 Capacitors

#### 1.4.2 Transistors

## Chapter 2

# Circuit diagrams and parallel and sequential circuits

## **Chapter 3**

# **Switches and variable resistors**

## Chapter 4

# Diodes and capacitors

## **Part II**

### **Inputs and outputs**

# **Chapter 5**

## **Lights**

### **5.1 Introduction**

#### **5.1.1 Introduction**

# **Chapter 6**

## **Motors**

### **6.1 Introduction**

#### **6.1.1 Introduction**

# **Chapter 7**

## **Audio**

### **7.1 Introduction**

#### **7.1.1 Introduction**

# **Chapter 8**

## **Radio**

### **8.1 Introduction**

#### **8.1.1 Introduction**

## **Chapter 9**

# **Temperature and moisture sensors**

# **Chapter 10**

## **Electric clocks**

# **Part III**

# **Intermediate**

## Chapter 11

# Mains electricity

## **Chapter 12**

# **Circuit boards**