

تم تحميل هذا الملف من موقع المناهج الإماراتية



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Smart LED lamp

Innovative design

- Safety

Economy

Costs 3000 Dhs

Researchs

- In the past they didn't have a smart lamps.
- In the present the lamps are easy to use.
- In the future, the laser will replace the lamps.

Appearance

- Size: Medium
- Shape: Attractive because it is made of many materials - many materials
- Texture: Soft
- Style: Modern
- Materials: Plastic, battery, wire
- Colour: grey

Evaluation

- Saving power.
- clap switch control system.

Electronics

- clap switch control system.

Generation of ideas

- Mind map to create a 3D smart LED lamp.
- Start up with all important assemble parts.

Function

- Automated light
- The lamp lights up the place.

Aim

- 3D model
- clap switch circuit

H.W!

- * 555 Timer.
- * LEDs.
- * materials.
- * Architecture.
- * Smart lamps.
- * size and scale
- * Aesthetice

Example one :-



*The electronic components is the IC 7474. this IC chip works as a switch with 7 byte of memory to remember the status when it was last triggered.

up with advancing
 at smart LED lamp
 influenced by iconic
 el and 3D print the
 his clap-controlled
 you will assemble
 ng smart LED lamp
 ous CDI terms.

and off by clapping
 icture

Keyword	Meaning
Fusion 360	is a cloud based CAD/CPM tool that combines organic shapes modeling
smart lamp	lighting technology designed for energy efficiency
assemble	gather together in one place for a common purpose
analogue	relating to or using signals or information represented by a continuously variable physical quantity
555 timer	is an integrated circuit chip used in a variety of time
PCB board	A Printed circuit board mechanically supports and
iconic	Relating to or of the nature of icon
architecture	The art or practice of designing and constructing buildings electrically connects

~~Section~~

1 Complete the sentences with the words from the text on Coursebook page 204.

Facts about language!

There are about 6,500 languages⁽¹⁾ in the world.

Over 2000 languages are known to be endangered⁽²⁾. This means that they may not exist in the future.

More than 200 languages are now extinct⁽³⁾. There are no speakers left. Examples of dominant⁽⁴⁾ or major⁽⁵⁾ languages are English, Chinese and Arabic.

They are spoken by millions of people around the world.

Examples of rarely⁽⁶⁾ languages are Nivkh and Toratan.

Regions⁽⁷⁾ of the world where languages are at risk include Australia and Eastern Siberia.

- 1 disappear
- 2 differences between people
- 3 at risk
- 4 geographical areas
- 5 controlling
- 6 save

3 Complete the sentences

- 1 Only _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____

4 Write get words in

