

**Escuela de Educación
Técnico Profesional
N° 602 “Gral. San Martín”**



Unidad Curricular: INGLÉS TÉCNICO

Ubicación en el Diseño Curricular: 5º Año B- ELECTRÓNICA(Ciclo Superior)

Campo de Formación: Formación Técnico Específica

Carga horaria semanal: 2 hs Cátedra

Régimen de cursado: Anual

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Ciclo lectivo: 2020

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FILE 4 A

Vocabulary COMPANY PROFILES

Electronics 1

A Electronics is a branch of engineering and physics. It deals with the **emission**, behaviour, and effects of **electrons** for the **generation**, **transmission**, **reception**, and **storage** of information. This information can be **audio signals** in a radio, **images** (**video signals**) on a television screen, or numbers and other data in a computer. **Electronic systems** are important in communication, **entertainment**, and control systems.

Electronic circuits consist of interconnections of electronic components, at the heart of which are **semiconductors**. **Transistors**, which are made of **silicon** or **germanium**, are made from semiconductors. Commercial products range from **cellular radiotelephone systems** and video cassette recorders to high-performance **supercomputers** and sophisticated **weapons systems**. In industry, electronic devices have led to dramatic improvements in productivity and quality. For example, **computer-aided design** tools facilitate the design of complex parts, such as aircraft wings, or intricate structures, such as **integrated circuits**.

B The development of microelectronics has had a major **impact** on the electronics industry. *Electronic components* are expected to deliver ever higher performance, while electronic circuits continue to benefit from miniaturization.

Function of electronic circuits

amplification • demodulation • electronic processing • generation
information extraction • modulation • radio wave • recovery (of audio signal)

Electronic components

absorb • active • battery • capacitor • diode • energy • generator • inductor
passive • resistor • transducer • transistor • vacuum tube (AmE) • valve (BrE)

Impacts

device size • digitization • fidelity • high speed • increased reliability
manufacturing cost • storage capacity • storage system • ultrahigh image definition

C One way of increasing your vocabulary is to learn the associated words from a key word. Look at the word table below, which shows words related to the key words presented above:

Noun	Verb	Adjective
activation	activate	active
amplification	amplify	amplified
emission	emit	emitted
entertainment	entertain	entertaining
extraction	extract	extracted
generation	generate	generative
integration	integrate	integrated/integrative
reception	receive	receptive
recovery	recover	recovered
reliability	rely	reliable
storage	store	stored
transmission	transmit	transmittable/transmissible

TASKS

1 Choose the correct word in the following sentences.

- 1 Transistors/inductors are the key component in electronics.
- 2 They consist of three layers of silicon semiconductor/superconductor.
- 3 All electronic/electrical systems consist of input, a processor and output, and usually memory.
- 4 The input receives/resists and converts information while the output converts and supplies electronically processed information.
- 5 The memory may not be present in simple systems, but its function is the storage/transmission of information for the processor.
- 6 Continual developments in electronics give us increased reliability/recovery in electronic devices.
- 7 Electronic equipment controls microprocessors/microwaves in, for example, weapons systems, cellular radiotelephone systems and domestic appliances.
- 8 Electronic devices have improved our lives by providing high quality communication/combination and entertainment.

2 Use the word in brackets to form a word which fits in the sentence.

- 1 The weak audio signal entering a radio is _____ by the _____ thus making it audible. (amplify)
- 2 Computer games are just one example of electronic systems being used for _____. (entertain)
- 3 Due to developments in mobile telecommunications systems, a new _____ of mobile phone is now available. (generate)
- 4 IC stands for _____ circuit. (integrate)
- 5 Computer software is _____ if it does what the manual says it should. (rely)
- 6 One area of electronics is concerned with the _____ of information. (store)

Lee con atención los ítems A, B y C de la página 1. Traduce el A y el B. Luego, resuelve los TASKS 1 & 2 de página 2 en un archivo WORD y envíalo al correo

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Las entregas pueden realizarse hasta el 27 de marzo de 2020 para su devolución.

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See you soon, Teacher Marcela

