**MINISTRY OF PUBLIC EDUCATION**

**TECHNICAL EDUCATION DEPARTMENT**

**TECHNICAL HIGH SCHOOL ……………**

**COMPUTER NETWORKING**

**PERSONAL INFORMATION**

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| Name |  |
| Program: |  |
| Grade: X ( ) XI ( ) XII ( ) |  |
| Birthdate: |  |
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| **SUBJECT AREA**: **INFORMATION AND COMMUNICATION TECHNOLOGIES** | | | | | | |
| **Study Block:** Computer Basis | | | | | | |
| **Purpose**: Relate the evolution of ICT as a tool and the appropriate use of basic norms of entering documental production | | | | | | |
| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Identifies concepts, characteristics and elements for developing information and communication technologies (ICT) | Relates ICT with different application fields. |  |  |  |  |  |
| Justifies the influence of modern society on ICT. |  |  |  |  |  |
| Illustrates changes that have been created by people and ICT. |  |  |  |  |  |
| Interprets elements associated with national and international legislation (ICT). | Recognizes legal implications, agreements, laws and regulations. |  |  |  |  |  |
| Interprets elements of the existing legislation. |  |  |  |  |  |
| Describes steps to patent inventions and creations. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Uses basic norms for entering texts. | Uses correct body position and hands while entering texts. |  |  |  |  |  |
| Locates text source. |  |  |  |  |  |
| Write different types of texts. |  |  |  |  |  |
| **Student`s name and signature:** | | | | | **Date:** | |
| **Teacher`s name and signature:** | | | | |
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| **Study Block:** Software Application | | | | | | |
| **Purpose**: Use tools in software application to develop their work. | | | | | | |
| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Applies basic norms of work to use computer equipment. | Explains norms and precautions that should be followed to use a computer. |  |  |  |  |  |
| Applies security norms when using a computer. |  |  |  |  |  |
| Demonstrates work rules and hygiene. |  |  |  |  |  |
| Solves virus problems in the computer. | Differentiates virus and antivirus types. |  |  |  |  |  |
| Installs and configures antivirus protections. |  |  |  |  |  |
| Applies procedures for detection, correction, and protection of programs. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Uses functions in operating systems for computer hardware and software administration. | Differentiates DOS commands. |  |  |  |  |  |
| Uses DOS commands in practice development. |  |  |  |  |  |
| Uses several tools for environment management in a graphical operating system. | Explains the operation of basic tools of the system. |  |  |  |  |  |
| Uses functions for managing the environment of the operating system. |  |  |  |  |  |
| Uses tools for resources management. | Describes the procedure to follow in order to use each tool. |  |  |  |  |  |
| Configures equipment and resources of the computer. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Applies basic functions of a word processor in the production of documents. | Follows the procedure for managing and inserting charts and graphics. |  |  |  |  |  |
| Applies management tools for inserting charts and graphics. |  |  |  |  |  |
| Elaborates documents applying word processor functions. |  |  |  |  |  |
| Uses spreadsheet tools for document production. | Prepares spreadsheets using tools. |  |  |  |  |  |
| Uses mathematical formulas in the development of spreadsheets |  |  |  |  |  |
| Applies functions and tools in the elaboration of documents. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Determines properties and configuration of slide presentations. | Explains the operation of tools in the administration of slides. |  |  |  |  |  |
| Uses functions for managing software environment for a slide presentation. |  |  |  |  |  |
| Generates slides with basic elements. | Explains the operation of the available tools in the administration of slides. |  |  |  |  |  |
| Uses the available functions for managing software environment for a slides’ presentation. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Manipulates objects inside the slides file and assign special effects to presentations. | Applies procedures to create special effects in presentations. |  |  |  | |  |  |
| Uses configuration options for drawings and objects effects. |  |  |  | |  |  |
| **Student`s name and signature:** | | | | | **Date:** | | |
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| **Study Block:** Website Design | | | | | | |
| **Purpose**: Design of websites for the publication of information on the Internet based on the technical basic norms.. | | | | | | |
| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Uses applications related to the Internet and for searching and accessing information. | Differentiates available services on the Internet. |  |  |  |  |  |
| Recognizes the minimum requirements for Internet connection. |  |  |  |  |  |
| Accesses information through searching tools on the Internet. |  |  |  |  |  |
| Distinguishes basic elements related to the design of web pages. | Compares characteristics of each site on the Internet. |  |  |  |  |  |
| Plans web sites in agreement with the described rules. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Demonstrates basic norms for web pages design and Internet site construction. | Recognizes basic norms for the disposition and hierarchy of text in the Internet sites. |  |  |  |  |  |
| Digitalizes images and sounds including them in the designed site. |  |  |  |  |  |
| Designs sites starting with text, sound, image and animation. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Designs web pages for publication of information in Internet. | Recognizes functions and available tools to design web pages. |  |  |  | |  |  |
| Edit web pages for the management of the presented information. |  |  |  | |  |  |
| Uses tools for the text, images, sound and animations insertion. |  |  |  | |  |  |
| Designs web pages based on predefined norms. |  |  |  | |  |  |
| **Student`s name and signature:** | | | | | **Date:** | | |
| **Teacher`s name and signature:** | | | | |
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| **Study Block:** Specialized Information Systems | | | | | | | |
| **Purpose**: Use specialized different information systems as tool for the development of their work. | | | | | | | |
| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Identifies concepts, characteristics and applications of information systems. | Distinguishes the function and characteristics of elements of information systems. |  |  |  | |  |  |
| Distinguishes job environment elements from specialized information systems. | Distinguishes the procedure in order to use certain functions and available tools. |  |  |  | |  |  |
| Applies procedures for user-accessible registers. |  |  |  | |  |  |
| Applies procedures for the access, editing and use of information. |  |  |  | |  |  |
| **Student`s name and signature:** | | | | | **Date:** | | |
| **Teacher`s name and signature:** | | | | |
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| **Study Block:** Connectivity | | | | | | |
| **Purpose**: Use connectivity options to maximize the use of functions and available services in mobile different devices as tool for the development of their work. | | | | | | |
| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Identifies characteristics and requirements for the operation of mobile devices. | Characterizes different connectivity options between equipment and devices. |  |  |  |  |  |
| Recognizes options for equipment or mobile devices connectivity. | Follows the procedure to use functions and available services in each technology. |  |  |  |  |  |
| Uses different functions and available services for each equipment or mobile device. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Carries out connection and installation of mobile devices and computer equipment. | Distinguishes procedures to use different connectivity options. |  |  |  | |  |  |
| Applies procedures to transfer the information between equipment and devices. |  |  |  | |  |  |
| **Student`s name and signature:** | | | | | **Date:** | | |
| **Teacher`s name and signature:** | | | | |
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| SUB ÁREA: Programación | | | | | | | |
| **Unidad de estudio:** Herramientas Lógicas | | | | | | | |
| **Propósito:** Utilizar las diferentes herramientas de la lógica matemática en la solución de problemas. | | | | | | | |
| **Criterio de desempeño** | **Evidencia** | **Alcanzadas** | | **Estrategias por mejorar y Observaciones** | **Competente** | | |
| **Si** | **Aún no** | **Si** | **Aún no** | |
| Resuelve problemas utilizando los diferentes sistemas numéricos. | Realizar el cambio de base en los diferentes sistemas numéricos. |  |  |  |  |  | |
| Realiza las operaciones básicas en los diferentes sistemas numéricos. |  |  |  |  |  | |
| Soluciona problemas utilizando los diferentes sistemas numéricos. |  |  |  |  |  | |
| Aplica la lógica proposicional y la lógica de predicados en la determinación de la validez de una proposición dada. | Utiliza las diferentes conectivas en la solución de problemas específicos. |  |  |  |  |  | |
| Resuelve problemas concretos utilizando las Leyes de De Morgan. |  |  |  |  |  | |
| **Criterio de desempeño** | **Evidencia** | **Alcanzadas** | | **Estrategias por mejorar y Observaciones** | **Competente** | | |
| **Si** | **Aún no** | **Si** | | **Aún no** |
| Aplica la lógica proposicional y la lógica de predicados en la determinación de la validez de una proposición dada. | Utiliza las tablas de verdad para resolver problemas de razonamiento. |  |  |  |  | |  |
| Aplica los principios del razonamiento y las demostraciones en la solución de problemas. |  |  |  |  | |  |
| Resuelve ejercicios utilizando el Álgebra de Boole. | Identifica los conceptos relacionados con el Álgebra de Boole. |  |  |  |  | |  |
| Utiliza los circuitos combinatorios para la solución de problemas. |  |  |  |  | |  |
| Resuelve ejercicios utilizando el Álgebra de Boole. |  |  |  |  | |  |

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| **Criterio de desempeño** | **Evidencia** | **Alcanzadas** | | **Estrategias por mejorar y Observaciones** | **Competente** | |
| **Si** | **Aún no** | **Si** | **Aún no** |
| Identifica los principios de permutaciones y combinaciones en el análisis de algoritmos. | Describe las características, propiedades y aplicaciones. |  |  |  |  |  |
| Resuelve problemas utilizando permutaciones y combinaciones. |  |  |  |  |  |
| Utiliza los principios de permutaciones y combinaciones en el análisis de algoritmos. |  |  |  |  |  |
| Soluciona problemas utilizando algoritmos, matrices y álgebra de matrices. | Soluciona problemas utilizando algoritmos, matrices y álgebra de matrices. |  |  |  |  |  |
| Utiliza los principios para el análisis de la complejidad de los algoritmos. |  |  |  |  |  |

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| **Criterio de desempeño** | **Evidencia** | **Alcanzadas** | | **Estrategias por mejorar y Observaciones** | | **Competente** | |
| **Si** | **Aún no** | **Si** | **Aún no** |
| Utiliza las relaciones de recurrencia en el análisis de algoritmos. | Reconoce las características, propiedades y aplicaciones. |  |  |  | |  |  |
| Soluciona problemas utilizando relaciones de recurrencia. |  |  |  | |  |  |
| Aplica las relaciones de recurrencia en el análisis de algoritmos. |  |  |  | |  |  |
| **Nombre del estudiantes y firma:** | | | | | **Fecha** | | |
| **Nombre del docente y firma:** | | | | |
| **Nombre del encargado y firma:** | | | | |

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| **Unidad de estudio:** Algoritmos y Diagramas de Flujo | | | | | | |
| **Propósito:** Utilizar los algoritmos y diagramas de flujo como herramienta para la solución de problemas. | | | | | | |
| **Criterio de desempeño** | **Evidencia** | **Alcanzadas** | | **Estrategias por mejorar y Observaciones** | **Competente** | |
| **Si** | **Aún no** | **Si** | **Aún no** |
| Aplica los algoritmos y diagramas de flujo estructurado como herramientas para resolución lógica de problemas computacionales. | Identifica los pasos de desarrollo de un algoritmo. |  |  |  |  |  |
| Reconoce el uso de la simbología para la elaboración de diagramas |  |  |  |  |  |
| Resuelve problemas utilizando las técnicas de los algoritmos. |  |  |  |  |  |
| Utiliza la simbología para la construcción de algoritmos y diagramas de flujo. | Identifica los pasos para construir diagramas de flujo. |  |  |  |  |  |
| Elabora diagramas de flujo utilizando la simbología descrita. |  |  |  |  |  |
| Interpreta diagramas de flujo construidos para solucionar problemas específicos. |  |  |  |  |  |

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| **Criterio de desempeño** | **Evidencia** | **Alcanzadas** | | **Estrategias por mejorar y Observaciones** | | **Competente** | |
| **Si** | **Aún no** | **Si** | **Aún no** |
| Utiliza las técnicas de diagramación en la resolución de problemas utilizando los ciclos y estructuras condicionales. | Explica el funcionamiento de cada una de las estructuras. |  |  |  | |  |  |
| Aplica las técnicas de diagramación en la resolución de problemas utilizando los ciclos y estructuras condicionales. |  |  |  | |  |  |
| Resuelve problemas utilizando ciclos y estructuras condicionales. |  |  |  | |  |  |
| **Nombre del estudiantes y firma:** | | | | | **Fecha** | | |
| **Nombre del docente y firma:** | | | | |
| **Nombre del encargado y firma:** | | | | |

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| **Unidad de estudio:** Elementos de Programación. | | | | | | |
| **Propósito:** Utilizar las herramientas y funciones básicas de la programación estructurada para la solución de problemas sencillos. | | | | | | |
| **Criterio de desempeño** | **Evidencia** | **Alcanzadas** | | **Estrategias por mejorar y Observaciones** | **Competente** | |
| **Si** | **Aún no** | **Si** | **Aún no** |
| Distingue los conceptos básicos relacionados con la programación estructurada. | Diferencia los lenguajes utilizados en programación. |  |  |  |  |  |
| Clasifica las diferentes etapas de la programación. |  |  |  |  |  |
| Resuelve problemas utilizando los elementos que intervienen en el desarrollo de un programa. | Utiliza identificadores, tipos de datos, constantes y variables. |  |  |  |  |  |
| Utiliza las herramientas para el diseño de pantallas. |  |  |  |  |  |
| Construye bloques de decisión y condiciones compuestas para casos específicos. | Aplica los criterios para la construcción de los bloques de decisión o condiciones compuestas. |  |  |  |  |  |

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| **Criterio de desempeño** | **Evidencia** | **Alcanzadas** | | **Estrategias por mejorar y Observaciones** | | **Competente** | |
| **Si** | **Aún no** | **Si** | **Aún no** |
| Resuelve problemas utilizando estructuras repetitivas. | Resuelve problemas utilizando estructuras repetitivas. |  |  |  | |  |  |
| Utiliza procedimientos y funciones como parte de la solución de problemas específicos. | Enumera las características y usos de los procedimientos y funciones. |  |  |  | |  |  |
| Diferencia el uso de funciones y procedimientos de acuerdo con el problema a resolver. |  |  |  | |  |  |
| Resuelve problemas específicos utilizando funciones y procedimientos. |  |  |  | |  |  |
| **Nombre del estudiantes y firma:** | | | | | **Fecha** | | |
| **Nombre del docente y firma:** | | | | |
| **Nombre del encargado y firma:** | | | | |

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| **Unidad de estudio:** Programación | | | | | | |
| **Propósito:** Crear programas de un nivel de complejidad bajo. | | | | | | |
| **Criterio de desempeño** | **Evidencia** | **Alcanzadas** | | **Estrategias por mejorar y Observaciones** | **Competente** | |
| **Si** | **Aún no** | **Si** | **Aún no** |
| Utiliza la sintaxis del lenguaje de programación en el desarrollo de programas. | Explica cada una de las funciones del compilador. |  |  |  |  |  |
| Identifica las funciones y aplicaciones del compilador. |  |  |  |  |  |
| Utiliza la sintaxis del lenguaje en el desarrollo de programas. |  |  |  |  |  |
| Desarrolla programas sencillos utilizando estructuras de selección, operadores, estructuras de repetición y funciones. | Identifica las estructuras de selección y repetición. |  |  |  |  |  |
| Declara e invoca funciones. |  |  |  |  |  |

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| **Criterio de desempeño** | **Evidencia** | **Alcanzadas** | | **Estrategias por mejorar y Observaciones** | | **Competente** | |
| **Si** | **Aún no** | **Si** | **Aún no** |
| Desarrolla programas sencillos utilizando estructuras de selección, operadores, estructuras de repetición y funciones. | Produce programas sencillos utilizando las estructuras y funciones. |  |  |  | |  |  |
| Diseña programas sencillos. |  |  |  | |  |  |
| Diseña programas en un lenguaje de programación que contengan operaciones de manejo de entrada / salida. | Aplica el procedimiento para la impresión. |  |  |  | |  |  |
| Aplica el procedimiento para la impresión y el uso de opciones para la definición de formatos de entrada. |  |  |  | |  |  |
| Desarrolla programas en que implementen el manejo de entrada / salida. |  |  |  | |  |  |
| **Nombre del estudiantes y firma:** | | | | | **Fecha:** | | |
| **Nombre del docente y firma:** | | | | |
| **Nombre del encargado y firma:** | | | | |

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| **SUBJECT AREA**: **COMPUTER MAINTENANCE** | | | | | | |
| **Study Block:** Occupational Health | | | | | | |
| **Purpose**: Application of fundamental concepts related to occupational health in computer science field. | | | | | | |
| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Describes main concepts and specific aspects of Occupational Health. | Differentiates between occupational illness and professional disease. |  |  |  |  |  |
| Infers the importance of occupational health in the workplace. |  |  |  |  |  |
| Illustrates the importance of security in accident prevention | Differentiates primary and immediate causes in real work situations |  |  |  |  |  |
| Recognizes primary and secondary causes and their importance in the prevention of accidents. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Applies basic norms for waste elimination management. | Uses forms of managing wastes originated from computers. |  |  |  |  |  |
| Evaluates the importance of danger area signals and access paths | Explains the importance of the use of symbols and demarcation of risk areas. |  |  |  |  |  |
| Illustrates the uses of symbology and demarcation areas in the work environment. |  |  |  |  |  |
| Differentiates colors according to their use. |  |  |  |  |  |
| Applies procedures for demarcation of dangerous areas and access roads. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Applies security norms in diverse activities to prevent accidents in workplaces. | Explains measures that should be taken to lift loads. |  |  |  |  |  |
| Uses appropriate techniques to lift objects. |  |  |  |  |  |
| Distinguishes causes and effects of accidents caused by fire; as well as preventive methods in workplaces. | Explains methods of accidents prevention in the workplace. |  |  |  |  |  |
| Demonstrates the use of portable equipment for fire extinction. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Distinguishes types of chemical agents associated with computer science to which Student is exposed in workplaces. | Explains basic concepts associated with each one of the agents. |  |  |  |  |  |
| Classifies different causal agents of occupational illnesses. |  |  |  |  |  |
| Recognizes consequences of each one of the agents. |  |  |  |  |  |
| Recognizes importance of control of agents for prevention of occupational illnesses. |  |  |  |  |  |
| Applies different techniques to prevent work overload effects. | Differs among physical and mental load. |  |  |  |  |  |
| Recommends methods to prevent excessive physical and mental workload. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Applies different techniques to prevent electric risks. | Recognizes effects of electricity upon contact with the human body. |  |  |  |  |  |
| Relates the field of computer science with the main sources of risk. |  |  |  |  |  |
| Recommends ways to prevent accidents. |  |  |  |  |  |
| Describes regulations of occupational health in the computer science field. | Summarizes the most important aspects of Law 6727, General Regulation of Occupational Safety and Regulation of Commissions of Occupational Health. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
|  | Illustrates application of some articles with real situations related to the computer science field. |  |  |  |  |  |
| **Student`s name and signature:** | | | | | **Date:** | |
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| **Study Block:** Computer Architecture | | | | | | |
| **Purpose**: Distinguish or recommend, efficiently and with technical approaches, components of the computer. | | | | | | |
| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Describes internal components of the computer. | Explains basic concepts related to the components of the computer. |  |  |  |  |  |
| Describes the operation of the computer components. |  |  |  |  |  |
| Uses technical approaches for the selection of storage devices. |  |  |  |  |  |
| Describes technical characteristics of each one of the devices. |  |  |  |  |  |
| Explains card operation. |  |  |  |  |  |
| Describes characteristics of each device. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
|  | Describes technical characteristics of the other components. |  |  |  |  |  |
| Explains operation of the other components. |  |  |  |  |  |
| Differentiates types of buses, switches, jumpers, cables and others. |  |  |  |  |  |
| Describes external devices associated with the computer. | Explains characteristics of different devices. |  |  |  |  |  |
| Points out considerations of compatibility between equipment and software. |  |  |  |  |  |
| Uses technical approaches for their selection and recommendation. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Describes different types of software used by the computer. | Describes characteristics of each software types. |  |  |  |  |  |
| Explains process for the Licensing of software. |  |  |  |  |  |
| Investigates the procedure for purchase and Licensing of software. |  |  |  |  |  |
| **Student`s name and signature:** | | | | | **Date:** | |
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| **Study Block:** Maintenance & Upgrading Computer | | | | | | |
| **Purpose**: Efficient application of maintenance procedures for upgrading of personal computers. | | | | | | |
| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Describes health and security measures for working with the computer equipment and manual tools. | Uses the correct procedures for equipment manipulation and tools. |  |  |  |  |  |
| Observes actions to execute in the event of accidents. |  |  |  |  |  |
| Applies established procedural norms in the shop. |  |  |  |  |  |
| Build boot and recovery disks as part of the maintenance security or equipment upgrading processes. | Follows the procedure for the creation of boot disks and recovery. |  |  |  |  |  |
| Use of boot disks in different operating systems. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Recognizes basic norms to follow the preliminary revision and the inventory. | Formulates a preliminary report and a system inventory. |  |  |  |  |  |
| Uses software and tools of the system for diagnosis of damages. |  |  |  |  |  |
| Detects errors and damages in different systems. |  |  |  |  |  |
| Distinguishes adapters used in computers. | Formulates a preliminary report and a system inventory. |  |  |  |  |  |
| Uses software and tools of the system for diagnosis of damages. |  |  |  |  |  |
| Detects errors and damages in different systems. |  |  |  |  |  |

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| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Recognizes the installation and/or configuration procedure of different internal computer components. | Recognizes the procedure for removal and installation of components. |  |  |  |  |  |
| Follows the procedure for installation and configuration of each component. |  |  |  |  |  |
| Configures equipment after the installation of new components. |  |  |  |  |  |
| Recognizes the installation and configuration procedure of external computer devices. | Recognizes the procedure for removal and installation of existing components. |  |  |  |  |  |
| Configures the equipment after installation of new components. |  |  |  |  |  |
| Verifies results of the installation and configuration. |  |  |  |  |  |
| **PERFORMANCE CRITERIA** | **EVIDENCE** | **Achieved** | | **Observations and Strategies to improve** | **Competent** | |
| **Yes** | **Not yet** | **Yes** | **Not yet** |
| Recognizes the installation and configuration procedure of operating systems and other software in the computer. | Installs different operating systems and software in computers with particular characteristics. |  |  |  |  |  |
| Executes tests of the system and installed software. |  |  |  |  |  |
| Determines general computer network concepts. | Describes Internet protocols used in networks. |  |  |  |  |  |
| Illustrates physical components used in networks. |  |  |  |  |  |
| **Student`s name and signature:** | | | | | **Date:** | |
| **Teacher`s name and signature:** | | | | |
| **Parent and signature:** | | | | |