

| Knowledge Areas               |   |
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| Biology                       | Knowledge of plant and animal organisms, their tissues, cells, functions, how they relate to each other and the environment.  |
| Chemistry                     | Knowledge of the chemical composition of substances, how they are used and methods of production and disposal.  |
| Mathematics                   | Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.   |
| Physics                       | Knowledge of physical principles and laws, the properties of materials, the weather, energy, atomic and sub-atomic particles.                                       |
| Computers / Electronics       | Knowledge of circuit boards, microprocessors, electronic equipment, and/or computer hardware and software, including computer programming.                          |
| Building / Construction       | Knowledge of the materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures.                                |
| Engineering / Technology      | Knowledge of engineering and technology and the know-how to use equipment and tools in the design and production of various goods and services.                     |
| Mechanics                     | Knowledge of machines and tools, including their designs, uses, repair, and maintenance.  |
| Agriculture / Environment     | Knowledge of methods and equipment used for growing and harvesting food products, rearing and herding animals, and protecting the environment.                      |
| Production / Manufacturing    | Knowledge of raw materials, methods of production, quality control, costs, and other ways of maximising the effective manufacture and distribution of goods.        |
| Fine Arts                     | Knowledge of the theory and methods required to compose, produce, and perform works of music, dance, visual arts, drama, and sculpture.                             |
| Design                        | Knowledge of design methods and the tools involved in the production of precision technical plans, blueprints, drawings, and models.                                |
| Communications Media          | Knowledge of traditional media (newspaper, print, radio, TV) and/or new digital media (CD, Internet), writing and editing, researching and information management.  |
| Education / Training          | Knowledge of how courses are developed and delivered, on teaching and instruction methods for individuals and groups, and the measurement of learning.              |
| English Language              | Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.                      |
| Foreign Language              | Knowledge of the structure and content of a foreign language including the meaning and spelling of words, rules of composition, grammar, and pronunciation.         |
| Community and Social Studies  | Knowledge of group behaviour, trends in the development of society, social disadvantage and the methods of providing care and support to those in need.             |
| History / Archaeology         | Knowledge of historical events and their causes, indicators, and effects on civilizations and cultures.   |
| Geography                     | Knowledge of the land, sea, and air masses, their physical characteristics, locations, and the distribution of plant, animal, and human life.                       |
| Law / Government              | Knowledge of laws, legal methods, court procedures, government regulations and the democratic political process.  |
| Public Safety and Security    | Knowledge of systems and procedures which protect people, businesses and property from criminal activities and ensure public safety.                                |
| Transport                     | Knowledge of methods used to efficiently move people or goods by air, rail, sea, or road, including the relative costs and benefits.                                |
| Medicine / Dentistry          | Knowledge of the information and techniques needed to diagnose and treat human injuries and diseases and of preventive health-care measures.                        |
| Psychology                    | Knowledge of human behaviour, including individual differences and the assessment and treatment of behavioural and emotional disorders.                             |
| Therapy and Counselling       | Knowledge of the methods of diagnosis, treatment, and rehabilitation of physical and mental problems, and for career counselling and guidance.                      |
| Childcare                     | Knowledge of early childhood development, the methods of education and the administrative requirements of running a Childcare service.                              |
| Philosophy / Religion         | Knowledge of different philosophical systems and religions, including their basic principles, values, ways of thinking, customs, and their impact on human culture. |
| Administration / Management   | Knowledge of how a business is run and managed, how to plan for growth, use resources efficiently, predict market changes and adapt to them.                        |
| Sales and Marketing           | Knowledge of the theories and methods used for promoting and selling products or services, including creating and analysing marketing campaigns.                    |
| Personnel and Human Resources | Knowledge of methods used for managing the staff of a company, including recruitment, training, compensation and benefits, labour relations and negotiation.        |
| Customer Care                 | Knowledge of the methods used in providing customer care and personal services. This includes how to assess customer needs and satisfaction.                        |
| Economics and Accounting      | Knowledge of economic and accounting principles and practices, the financial markets, banking and the analysis and reporting of financial data.                     |
| Clerical                      | Knowledge of the requirements of a modern office, including use of computers, managing files and records, designing forms, and making arrangements.                 |
| Hair & Beauty                 | Knowledge of hair and beauty care and the practical skills required to work with clients.   |
| Sports and Leisure            | Knowledge of human fitness and exercise, and the practical skills of training, coaching and managing people in the leisure business                                 |
| Hotel, Catering & Tourism     | Knowledge of the variety of functions and job roles within the sector and the skills required to deliver services to the public.                                    |