

Qualifications Framework Level Definition (Level Descriptors)

Level	Learner Profile	Knowledge and Understanding	Generic Skills	Professional Skills			Autonomy and Responsibilities	Ethics and Professionalism	
				Technical and Practical Skills	Interpersonal Skills*1	Analytical Skills*2			Management and Leadership Skills
8	<p>Leaners will demonstrate a critical understanding of the most advanced knowledge at the frontier of their fields of study/professional practice.</p> <p>Independently conduct, manage and lead advanced research that contributes to new and original knowledge and/or practices.</p> <p>Produce research outputs in the form of theses, patents, products, new advanced professional practices, advanced technologies, creative models, works of art or music.</p> <p>Demonstrate with confidence and knowledge the ability to present and defend points of view, theses and ideas in their fields of specialization.</p>	<p>Demonstrate comprehensive, systematic, integrated, new, complex and abstract ideas relevant to current issues at the frontier of their fields of study/professional practice.</p> <p>Adopt interdisciplinary perspectives, knowledge and understanding.</p>	<p>Critically analyze, evaluate and synthesize new, complex and abstract concepts and issues at the frontier of their fields of study/professional practice, and refine existing concepts and practices.</p> <p>Solve complex, abstract and emerging issues and challenges by independently applying advanced research and analytical methods and skills to creatively generate new knowledge, theories, novel solutions and/or new practices in their fields of study/practice.</p> <p>Create new knowledge, theories, solutions and practices through highly original research that satisfies peer reviews and international standards.</p>	<p>Demonstrate a mastery of practical and technical skills/practices as well as scientific skills, which are, in turn, used to develop new skills, techniques or solutions to resolve highly complex problems emerging at the forefront of multiple fields.</p> <p>Demonstrate the ability to design, implement and/or improve highly advanced, specialized research methodologies in multiple fields.</p>	<p>Effectively communicate research findings in their fields of expertise to peers, scholarly communities and society at large.</p> <p>Work to deal with diverse people in learning and working communities as well as in ethnically and professionally different groups and networks.</p> <p>Convey cogently and coherently information, insights, ideas, problems and solutions relevant to their fields of specialization to peers, scholarly communities and society at large.</p>	<p>Use, select and improve existing methods and methodologies or develop new appropriate ones to enhance the quality of research and practical activities.</p> <p>Critically evaluate numerical and graphical data.</p>	<p>Work with autonomy, independence and authority in research and resource management, and contribute to the creation of new knowledge and advancement of practices, processes and products.</p> <p>Demonstrate leadership, professionalism and management skills, and cooperate effectively with various partners.</p> <p>From academic and professional perspectives, contribute to social and cultural progress in dealing with emerging issues at the professional/expert level.</p>	<p>Assume full responsibility for their own work, and where relevant, be accountable for overall management of their organizations.</p> <p>Integrate knowledge for lifelong learning with newly developed ideas, solutions and systems.</p> <p>Initiate and lead entrepreneurial ventures and projects.</p>	<p>Adhere to legal, professional and ethically sound codes of practice.</p> <p>Identify emerging ethical and professional issues, and disclose their complexities and implications to advance research in their fields of specialization and society at large.</p> <p>Contribute professionally to social, technological and economic development.</p>

7	<p>Based on strong theoretical knowledge, critical thinking, and an understanding of creative and innovative skills, learners will acquire knowledge in specific fields of study/ practice through continuous learning, research and/or professional practice, and be able to generate new solutions to problems.</p> <p>Act with confidence in the international arena backed by knowledge and skills.</p>	<p>Demonstrate originality and independence in undertaking analytical and critical evaluations and synthesizing complex information, specialized concepts, theories, methods and practices in their fields of study/practice.</p>	<p>Use advanced technologies, methods and skills to adopt a wide range of comprehensive approaches to create new ideas or revolutionary practices, apply knowledge critically and comprehensively, and manage and solve complex problems or issues in their fields of study/ practice.</p> <p>Demonstrate the ability to solve and manage complex problems or issues in their fields of study/ practice.</p> <p>Demonstrate the competency to work and undertake advanced study in one or more foreign languages.</p>	<p>Through standard, specialized research methods and approaches, apply the practical skills, methods or research techniques learned from the most advanced knowledge and the latest developments in their fields of study.</p> <p>Demonstrate the ability to solve and manage complex problems or issues in their fields of study/ practice.</p> <p>Demonstrate the competency to work and undertake advanced study in one or more foreign languages.</p>	<p>Use appropriate methods to clearly communicate knowledge, skills, ideas, critiques, conclusions and rationales to peers, experts, and non-experts in one or more global languages.</p> <p>Work together and collaboratively with diverse people in learning and working communities as well as in ethnically and professionally different groups and networks.</p>	<p>Competently use a wide range of suitable digital technologies and appropriate software to enhance the quality of study/ practice.</p> <p>Adapt applications and systems to deal with new solutions and problems, and use a wide range of information, media and technological applications to support study/ research/practice.</p> <p>Demonstrate the ability to design evaluation operation plans by applying mathematical and other quantitative or qualitative methods to analyze and evaluate numerical and graphical data for study/work.</p>	<p>Demonstrate significant autonomy, independence, leadership and interpersonal skills at work and in class.</p> <p>In complex and unpredictable situations, assume substantial responsibility in planning, resource management, supervision, problem solving and work management in their own teams or in collaboration with other teams.</p>	<p>Show self-advancement through continuous academic and/or professional development.</p> <p>Initiate and/or lead entrepreneurial ventures and projects.</p>	<p>Adhere to legal, ethical and professional codes of practice.</p> <p>Demonstrate confidence when giving advice and making decisions on complex issues based on critical insights and ethical considerations.</p> <p>Contribute professionally to social, technological and economic development both nationally and internationally.</p> <p>Demonstrate the ability to engage meaningfully in a range of civic and global issues in their fields of specialization.</p>
6	<p>Learners will demonstrate comprehension of a broad-based and coherent body of knowledge and skills for paraprofessional work that requires research and development, creativity and innovation in their fields of specialization.</p> <p>Demonstrate professionalism, resilience and a commitment to an ethical work culture and sustainability; and show an awareness of being a global citizen in alignment with Japan's national aspirations.</p>	<p>Describe in words advanced and comprehensive, theoretical and technical knowledge, and demonstrate relevant skills in their fields of specialization, or those of a multidisciplinary nature related to their fields of study/work/ practice.</p>	<p>Demonstrate intellectual independence in applying knowledge in their fields of study/ work/practice by applying critical, analytical and evaluation skills.</p> <p>Manage and resolve complex applications and handle unpredictable issues with creative and innovative solutions.</p> <p>Apply skills and knowledge to a range of approaches in their fields of study/work/ practice.</p>	<p>Apply broad-based basic methods and procedures to solve a wide range of complex problems.</p> <p>Review, adjust and supervise practices and processes in their fields of specialization.</p>	<p>With confidence, accuracy and coherence, convey ideas and thoughts to diverse audiences in appropriate written and oral forms of presentation.</p> <p>Work together with different people in various learning and working communities as well as with diverse people from different regions or countries.</p>	<p>Use a broad range of information technology tools, media and applications to support study/work.</p> <p>Combine and use numerical and graphical/visual data for study/work.</p>	<p>Within various organization parameters, work autonomously and display leadership and professionalism in work management.</p> <p>Undertaken a significant level of responsibility for their own and others' work.</p> <p>Demonstrate decision-making abilities and professionalism by working towards pre-determined goals and outcomes.</p>	<p>Demonstrate entrepreneurial competency in selected projects.</p> <p>Pursue self-directed lifelong learning and professional pathways.</p> <p>Demonstrate an awareness of a broad range of socio-political, economic and cultural issues at local, national and international levels.</p> <p>Fulfill accountability in their fields of specialization.</p>	<p>Demonstrate the ability to adhere to moral values, identify ethical issues, make decisions in an ethical manner, and act professionally in socially and professionally diverse environments and practices.</p> <p>Demonstrate a deep awareness and knowledge of local and global science, technology, business, social and environmental issues.</p>

5	<p>Leaners will have a significant amount of theoretical and technical knowledge, and be able to deal with complex situations at work and understand and meet organizational and professional demands.</p> <p>Leaners will demonstrate the ability to apply sustainable practices in an ethical manner in living and working in local and/or international communities.</p>	<p>Demonstrate a wide range of theoretical, conceptual and technical knowledge and comprehension to deal with varied and unpredictable tasks/work/study in fields that require advanced specialized knowledge.</p>	<p>Identify, interpret, apply, analyze and evaluate detailed technical, conceptual and theoretical knowledge in their fields of specialization or at work.</p> <p>Solve problems and issues independently in broadly defined, complex, routine and non-routine contexts or under unpredictable circumstances, with a limited scope of approaches and autonomy.</p>	<p>Use a wide range of practical skills in applying essential methods and procedures to complete a variety of studies and complex tasks.</p> <p>Review and adjust relevant practices and processes and supervise other people.</p>	<p>For social, academic and professional purposes, communicate and interact with others effectively and cogently in a comprehensible manner to convey information, ideas, problems and solutions to diverse audiences.</p> <p>Display a high level of oral and written proficiencies in two or more languages.</p>	<p>Use a range of information technology tools, media and applications to support study and/or work.</p> <p>Interpret and apply routine and non-routine, complex numerical and graphical/visual data.</p>	<p>Work with a substantial degree of autonomy and a significant level of responsibility.</p> <p>Make management decisions independently on resource allocation and the performance of others in the workplace.</p> <p>Demonstrate the ability to take responsibility and accept accountability.</p> <p>Demonstrate team leadership in new environments, including when the area of work is not well-defined.</p>	<p>Demonstrate entrepreneurial skills in relevant specific situations.</p> <p>Engage effectively in self-directed lifelong learning and participate independently in professional collaborations.</p> <p>Demonstrate competencies working or studying in local and/or global multicultural, multilingual and multiethnic communities.</p>	<p>Demonstrate the ability to fulfill social responsibilities and to follow professional, ethical and sustainable practices.</p> <p>Contribute to the development of sustainable local and global communities.</p>
4	<p>Leaners will have broad-based knowledge of general theories and principles, and demonstrate skills for study/discipline in specific fields, enabling them to undertake specialized work leading to a career path in technical, professional or management fields</p> <p>Leaners will express interest in pursuing further education.</p> <p>Leaners will be committed to appropriate ethical behaviors and appreciate Japan's national aspirations from a global perspective.</p>	<p>Understand systematically a broad range of complex technical and theoretical knowledge and skills to undertake complex, routine and non-routine tasks/study in relevant fields of study/discipline.</p>	<p>Identify interpret, apply and evaluate general concepts, theory and/or operational principles with minimal supervision when the content of study/work is well-defined.</p> <p>Solve well-defined common problems as well as irregular ones.</p>	<p>Apply practical skills, techniques and methods to a limited extent to meet the demands of tasks/work.</p> <p>Consider and adjust, as necessary, the practices and processes to complete routine or non-routine tasks.</p>	<p>Communicate clearly, in oral and written form, ideas, information, problems and solutions to others including peers, experts and non-experts.</p> <p>Individually or as a team member, interact effectively with supervisors, peers and subordinates.</p> <p>Demonstrate proficiency in one or more languages besides Japanese.</p>	<p>Use a wide range of digital tools to support study/work as well as examine and process data relevant to work or study.</p> <p>Demonstrate skills to use and interpret given, complex numerical and graphical/visual data.</p>	<p>Perform work with a significant degree of responsibility and autonomy under broad-based guidance and direction on well-defined, non-routine study/tasks performed in a variety of contexts.</p> <p>Lead and manage a variety of teams to handle issues at work.</p>	<p>Explore and engage in entrepreneurial activities.</p> <p>Identify self-improvement initiatives and possibilities for further education, and develop realistic career and professional goals.</p> <p>Show interest and participate in professional and civic activities leading to local and region-wide community building.</p>	<p>Demonstrate the ability to understand and comply with organizational and professional ethics at work.</p> <p>Demonstrate the ability to apply sustainable practices in living and working in local and global communities.</p>

3	<p>Leaners will have fundamental, theoretical and technical knowledge of facts and principles at an intermediate level, and demonstrate well-balanced working skills as required.</p> <p>Show an interest in study/disciplines pertaining to their own interest or work.</p> <p>Engage in an age-appropriate manner with local communities and display an awareness of global issues.</p> <p>Acquire an elementary level of proficiency in a language other than Japanese (e.g. English).</p>	<p>With a significant range of knowledge about a field of study or discipline, describe in words the basic principles, theories and skills to take on a variety of well-defined, routine tasks/ work.</p>	<p>Apply knowledge, familiar methods and skills to solve predictable problems in routine tasks/study.</p>	<p>Use appropriate methods, tools, technologies and materials to organize, operate and complete efforts and solutions to deal with routine and non-routine tasks/problems under a teacher's supervision.</p>	<p>Individually or as a team, communicate effectively and clearly, in oral and written form, ideas, information, problems and solutions to peers, experts and non-experts.</p> <p>Develop an elementary level of proficiency in one or more global languages besides Japanese.</p>	<p>Use basic information technology applications to support study/work to look at and process data relevant to their study/work.</p> <p>Interpret and use familiar and comprehensible numerical and graphical data.</p>	<p>Demonstrate the ability to work with considerable autonomy and minimal supervision.</p> <p>Provide guidance to others in the context of study/work.</p> <p>Undertake considerable responsibility for the quality and impact of outputs.</p> <p>Consider the outcomes and performance of study/work/tasks and assume responsibility for them.</p>	<p>With minimal guidance, initiate self-improvement through study or training and seek further education.</p> <p>Display an awareness and general knowledge of Japan and its neighboring countries.</p> <p>Demonstrate a basic understanding of the knowledge and skills required for entrepreneurs.</p>	<p>Demonstrate the ability to comply with work ethics in performing study/tasks in diversified, multicultural environments.</p> <p>Pursue active engagement with local civic societies on matters of interest to local and global communities (e.g. environmental issues).</p>
2	<p>Leaners will acquire knowledge and skills to carry out work as responsible and ethical professionals in a certain environment.</p> <p>Demonstrate interest in undertaking further studies and in making a commitment to lifelong learning.</p> <p>Develop skills to engage with local communities.</p> <p>Develop a basic level of proficiency in a foreign language (e.g. English).</p>	<p>Demonstrate the ability to describe in words the knowledge of subjects/disciplines for study and take on a variety of routine and non-routine tasks/work.</p>	<p>Apply knowledge and skills to well-defined routine study/tasks.</p> <p>Apply familiar solutions to solve predictable problems in well-defined routine study/tasks.</p>	<p>Demonstrate the ability to plan and complete well-defined tasks using common basic methods and materials.</p>	<p>Communicate with others in a limited range of contexts requiring simple and direct exchanges of information on familiar and routine matters.</p> <p>Develop a basic level of proficiency in a language other than Japanese.</p> <p>Assume responsibility and initiate preparatory studies for further education.</p>	<p>Under a teacher's supervision, use a limited range of basic applications and information technology tools adequate to perform a given set of tasks to process simple data.</p> <p>Interpret a small amount of simple and familiar numerical and graphical data.</p>	<p>Work under supervision in structured activities with almost no autonomy or substantial support.</p> <p>Work in a team and exchange views and feedback with others, assuming almost no responsibility and accountability.</p>	<p>With a teacher's guidance, assume a degree of responsibility for learning.</p> <p>Demonstrate the ability to consider tasks and personal actions and values.</p>	<p>Demonstrate the ability to make good use of personal values in learning or carrying out tasks.</p> <p>Deepen the understanding of cultural diversity by continued exposure to different cultures and value systems.</p> <p>Develop political and social awareness.</p>

<p>1</p> <p>Leaners will have basic, foundational or general knowledge and skills.</p> <p>Leaners will perform basic and highly routine tasks with guidance and prepare for further learning and for becoming responsible ethical professionals.</p> <p>Develop an awareness an awareness of community, local and national institutions as well as curiosity about the outside world.</p>	<p>Describe simple and basic knowledge and skills in a limited scope of fields/ subjects to undertake highly routine and predictable tasks/ study.</p>	<p>With guidance, apply basic knowledge to well-defined, routine and predictable tasks.</p> <p>Demonstrate the ability to reflect on and improve performance.</p>	<p>Demonstrate elementary skills in using a variety of common basic methods and materials for well-defined tasks.</p>	<p>Use familiar everyday expressions and simple phrases in a limited range of contexts.</p>	<p>Demonstrate competency in using basic mathematical methods (e.g. symbols).</p> <p>Under a teacher's guidance, use a few simple and basic applications adequate to perform given tasks.</p>	<p>Under direct guidance and support, work in structured activities/ tasks.</p> <p>Demonstrate the ability to work independently or in a team.</p>	<p>With a teacher's encouragement and guidance, assume a degree of responsibility for learning.</p> <p>Demonstrate the ability to review and reflect on the tasks undertaken/performed under a teacher's guidance.</p> <p>Demonstrate the ability to identify the personal values applicable to carrying out study/tasks.</p>	<p>Act as a responsible member of society and show sensitivity to cultures other than their own.</p>
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*1 Communication-related and other skills are also included. *2 Digital, numerical and other skills are also included.

Level Criteria

Level 8: 15-20 years after graduating from a specialized training college (2) (at the age of 35-40), Doctoral Degree

Level 7: 10-15 years after graduating from a specialized training college (2) (at the age of 30-35), Master's Degree, Master of xxx (Professional)

Level 6: 5-10 years after graduating from a specialized training college (2) (at the age of 25-30), Advanced Diploma, Bachelor's Degree, Bachelor's Degree (Professional)

Level 5: Specialized training college (2) graduate (at the age of 20), Diploma, Associate Degree, Associate Degree (Professional), Associate

Level 4: Specialized training college (1) graduate (at the age of 19)

Level 3: High school graduate (at the age of 18)

Level 2: Junior high school graduate (at the age of 15)

Level 1: Elementary school graduate (at the age of 12)