

Diploma Programme Grade descriptors



Introduction

This document is a compilation of descriptions (grade descriptors) of each grade for each group of subjects in the IB Diploma Programme. Grade descriptors consist of characteristics of performance at each grade. The descriptors apply to groups of subjects but substantial similarity exists across sets of group grade descriptors.

Senior examiners use these grade descriptors when determining grade boundaries for examination papers and coursework components. For each grade, qualities of a typical performance are given. However, the work of few candidates will be consistently characterised by a single grade descriptor, most work will display some of the characteristics of more than one grade. Senior examiners therefore review the work of many candidates to determine a grade boundary—the lowest mark at which characteristics of a grade are consistently shown in candidate work—allowing for some compensation across the different aspects.

The grade descriptors are also intended to help teachers explain the academic requirements of the IB Diploma Programme to students, undertake formative assessment, report progress and predict candidates' grades.

Group 1 (studies in language and literature) grade descriptors

Studies in language and literature

Grade 7

Demonstrates: excellent understanding and appreciation of the interplay between form and content in regard to the question or task; responses that may be convincing, detailed, independent in analysis, synthesis and evaluation; highly developed levels of expression, both orally and in writing; very good degree of accuracy and clarity; very good awareness of context and appreciation of the effect on the audience/reader; very effective structure with relevant textual detail to support a critical engagement with the thoughts and feelings expressed in the work(s).

Grade 6

Demonstrates: very good understanding and appreciation of the interplay between form and content in regard to the question or task; responses that are, mainly, convincing, as well as detailed and independent to some degree, in analysis, synthesis and evaluation; well-developed levels of expression, both orally and in writing; good degree of accuracy and clarity; good awareness of context and appreciation of the effect on the audience/reader; effective structure with relevant textual detail to support a critical engagement with the thoughts and feelings expressed in the work(s).

Grade 5

Demonstrates: good understanding and appreciation of the interplay between form and content in regard to the question or task; responses that offer generally considered and valid analysis, synthesis and/or evaluation; good levels of expression, both orally and in writing; adequate degree of accuracy and clarity; awareness of context and appreciation of the effect on the audience/reader; clear structure with relevant textual detail to support an engagement with the thoughts and feelings expressed in the work(s).

Grade 4

Demonstrates: adequate knowledge and understanding of the question or task; responses that are generally valid in analysis and/or synthesis; satisfactory powers of expression, both orally and in writing; few lapses in accuracy and clarity; some awareness of context and appreciation of the effect on the audience/reader; a basic structure within which the thoughts and feelings of the work(s) are explored.

Grade 3

Demonstrates: some knowledge and some understanding of the question or task; responses that are only sometimes valid and/or appropriately detailed; some appropriate powers of expression, both orally and in writing; lapses in accuracy and clarity; limited awareness of context and appreciation of the effect on the audience/reader; some evidence of a structure within which the thoughts and feelings of the work(s) are explored.

Grade 2

Demonstrates: superficial knowledge and understanding of the question or task; responses that are of generally limited validity; limited powers of expression, both orally and in writing; significant lapses in

accuracy and clarity; little awareness of context and appreciation of the effect on the audience/reader; rudimentary structure within which the thoughts and feelings of the work(s) are explored.

Grade 1

Demonstrates: very rudimentary knowledge and understanding of the question or task; responses that are of very limited validity; very limited powers of expression, both orally and in writing; widespread lapses in accuracy and clarity; no awareness of context and appreciation of the effect on the audience/reader; very rudimentary structure within which the thoughts and feelings of the work(s) are explored.

Group 2 (language acquisition) grade descriptors

Language ab initio (SL)

Grade 7

Receptive skills: students respond clearly and effectively to all basic and most complex information and ideas.

Interactive skills: students respond accurately, communicate effectively and demonstrate comprehension; pronunciation and intonation always facilitate the understanding of the message; students sustain participation and make good independent contributions. The message is always clear.

Productive skills: students develop ideas well using an effective, logical structure; they successfully use a range of simple and some complex cohesive devices; they use both basic and complex grammatical structures accurately. However, they may make occasional errors in complex structures; they use varied and effective vocabulary and appropriate register; they demonstrate clear evidence of intercultural understanding where required.

Grade 6

Receptive skills: students respond clearly to all basic and most complex information and ideas.

Interactive skills: students respond mostly accurately, communicate almost always effectively and demonstrate comprehension; pronunciation and intonation almost always facilitate the understanding of the message; students almost always sustain participation and make independent contributions. The message is usually clear.

Productive skills: students develop ideas well using a logical structure; they successfully use a range of basic and some complex cohesive devices; they use both basic and complex grammatical structures

accurately. However, they may make several errors in complex structures; they use varied vocabulary and appropriate register; they almost always demonstrate clear evidence of intercultural understanding where required.

Grade 5

Receptive skills: students generally respond clearly to basic and some complex information and ideas.

Interactive skills: students respond accurately and generally demonstrate comprehension; pronunciation and intonation often facilitate the understanding of the message; students generally sustain participation and make some independent contributions. The message is often clear.

Productive skills: students develop some ideas using a logical structure; they often use a range of basic and some complex cohesive devices; they use basic grammatical structures accurately. However, complex structures are rarely accurate; they use a range of basic vocabulary and appropriate register; they often demonstrate evidence of intercultural understanding where required.

Grade 4

Receptive skills: students respond clearly to most basic information and ideas.

Interactive skills: students respond accurately and demonstrate comprehension in simple exchanges; pronunciation and intonation usually facilitate the understanding of the message; students sustain participation in simple exchanges. The message is usually clear.

Productive skills: students develop basic ideas using a logical structure; they use a range of simple cohesive devices successfully; they use most basic grammatical structures accurately; they use basic vocabulary and appropriate register successfully; they usually demonstrate evidence of intercultural understanding where required.

Grade 3

Receptive skills: students sometimes respond clearly to basic information.

Interactive skills: students sometimes respond accurately and sometimes demonstrate comprehension in simple exchanges; pronunciation and intonation sometimes facilitate the understanding of the message; students sometimes sustain participation in simple exchanges. The message is sometimes clear.

Productive skills: students sometimes develop basic ideas; they sometimes use simple cohesive devices successfully; they sometimes use basic grammatical structures accurately; they sometimes use basic vocabulary and appropriate register successfully; they sometimes demonstrate evidence of intercultural understanding where required.

Grade 2

Receptive skills: students rarely respond clearly to basic information.

Interactive skills: students rarely respond accurately or demonstrate comprehension; pronunciation and intonation rarely facilitate the understanding of the message; students rarely sustain participation in simple exchanges. The message is rarely clear.

Productive skills: students rarely develop basic ideas; they rarely use simple cohesive devices; they rarely use basic grammatical structures accurately; they rarely use basic vocabulary or appropriate register successfully; they rarely demonstrate evidence of intercultural understanding where required.

Grade 1

Receptive skills: students very rarely respond clearly to basic information.

Interactive skills: students very rarely respond accurately or demonstrate comprehension; pronunciation and intonation very rarely facilitate the understanding of the message; students very rarely sustain participation in simple exchanges. The message is very rarely clear.

Productive skills: students very rarely develop ideas; they very rarely use simple cohesive devices; they very rarely use basic grammatical structures accurately; they very rarely use basic vocabulary or appropriate register successfully; they very rarely demonstrate evidence of intercultural understanding where required.

Group 3 (individuals and societies) grade descriptors

Individuals and societies

Grade 7

Demonstrates: conceptual awareness, insight, and knowledge and understanding which are evident in the skills of critical thinking; a high level of ability to provide answers which are fully developed, structured in a logical and coherent manner and illustrated with appropriate examples; a precise use of terminology which is specific to the subject; familiarity with the literature of the subject; the ability to analyse and evaluate evidence and to synthesize knowledge and concepts; awareness of alternative points of view and subjective and ideological biases, and the ability to come to reasonable, albeit tentative, conclusions; consistent evidence of critical reflective thinking; a high level of proficiency in analysing and evaluating data or problem solving.

Grade 6

Demonstrates: detailed knowledge and understanding; answers which are coherent, logically structured and well developed; consistent use of appropriate terminology; an ability to analyse, evaluate and synthesize knowledge and concepts; knowledge of relevant research, theories and issues, and awareness of different perspectives and contexts from which these have been developed; consistent evidence of critical thinking; an ability to analyse and evaluate data or to solve problems competently.

Grade 5

Demonstrates: a sound knowledge and understanding of the subject using subject-specific terminology; answers which are logically structured and coherent but not fully developed; an ability to provide competent answers with some attempt to integrate knowledge and concepts; a tendency to be more descriptive than evaluative (although some ability is demonstrated to present and develop contrasting points of view); some evidence of critical thinking; an ability to analyse and evaluate data or to solve problems.

Grade 4

Demonstrates: a secure knowledge and understanding of the subject going beyond the mere citing of isolated, fragmentary, irrelevant or "common sense" points; some ability to structure answers but with insufficient clarity and possibly some repetition; an ability to express knowledge and understanding in terminology specific to the subject; some understanding of the way facts or ideas may be related and embodied in principles and concepts; some ability to develop ideas and substantiate assertions; use of knowledge and understanding which is more descriptive than analytical; some ability to compensate for gaps in knowledge and understanding through rudimentary application or evaluation of that knowledge; an ability to interpret data or to solve problems and some ability to engage in analysis and evaluation.

Grade 3

Demonstrates: some knowledge and understanding of the subject; a basic sense of structure that is not sustained throughout the answers; a basic use of terminology appropriate to the subject; some ability to establish links between facts or ideas; some ability to comprehend data or to solve problems.

Grade 2

Demonstrates: a limited knowledge and understanding of the subject; some sense of structure in the answers; a limited use of terminology appropriate to the subject; a limited ability to establish links between facts or ideas; a basic ability to comprehend data or to solve problems.

Grade 1

Demonstrates: very limited knowledge and understanding of the subject; almost no organizational structure in the answers; inappropriate or inadequate use of terminology; a limited ability to comprehend data or to solve problems.

Group 4 (sciences) grade descriptors

Sciences

Grade 7

Displays comprehensive subject knowledge and a thorough command of concepts and principles. Selects and applies relevant information, concepts and principles in a wide variety of contexts. Analyses and evaluates quantitative and qualitative data thoroughly. Constructs detailed explanations of complex phenomena and makes appropriate predictions. Evidences great proficiency in solving problems, including those that are challenging or unfamiliar. Communicates logically and concisely using appropriate terminology and conventions. Shows insight or originality.

Approaches investigations in an ethical manner, paying full attention to environmental impact and safety where applicable. Investigations demonstrate insight and independence to design and complete innovative practical work with highly competent investigative and analytical techniques, and with innovative and effective conclusions to resolve authentic problems.

Grade 6

Displays very broad subject knowledge and a thorough understanding of concepts and principles. Selects and applies relevant information, concepts and principles in most contexts. Analyses and evaluates quantitative and qualitative data with a high level of competence. Constructs explanations of complex phenomena and makes appropriate predictions. Solves basic or routine problems and evidences competency in solving those that are challenging or unfamiliar. Communicates effectively using appropriate terminology and conventions. Shows occasional insight or originality.

Approaches to investigations in an ethical manner, paying significant attention to environmental impact and safety where applicable. Investigations demonstrate some innovative thinking and independence to design and complete practical work with competent investigative and analytical techniques, and with highly competent and reasonable conclusions to resolve authentic problems.

Grade 5

Displays broad subject knowledge and shows sound understanding of most concepts and principles, and applies them in some contexts. Analyses and evaluates quantitative and qualitative data competently. Constructs explanations of simple phenomena. Solves most basic or familiar problems and some new or difficult quantitative and/or qualitative problems. Communicates clearly with little or no irrelevant material.

Approaches investigations in an ethical manner, paying attention to environmental impact and safety where applicable. Investigations demonstrate appropriate investigative and analytical techniques with relevant and pertinent conclusions to resolving authentic problems.

Grade 4

Displays reasonable subject knowledge (though possibly with some gaps) and shows adequate understanding of most basic concepts and principles, but with limited ability to apply them. Demonstrates some analysis or evaluation of quantitative or qualitative data. Solves some basic or routine problems but shows limited ability to solve challenging or unfamiliar problems. Communicates adequately, although responses may lack clarity and include some repetitive or irrelevant material.

Generally approaches investigations in an ethical manner, with some attention to environmental impact and safety where applicable. Investigations demonstrate an ability to complete fairly routine practical work with some appropriate investigative and analytical techniques, and with some conclusions relevant to the problem under study.

Grade 3

Displays limited subject knowledge and shows a partial understanding of basic concepts and principles, and weak ability to apply them. Shows some ability to manipulate data and solve basic or routine problems. Communicates with a lack of clarity and some repetitive or irrelevant material.

Sometimes approaches investigations in an ethical manner, with some attention to environmental impact and safety where applicable. Investigations demonstrate an ability to complete a basic investigation with simple analytical techniques, and with some partial conclusions of some relevance to study.

Grade 2

Displays little subject knowledge and shows weak understanding of basic concepts and principles, and little evidence of application. Exhibits minimal ability to manipulate data and little or no ability to solve problems. Offers responses which are often incomplete or irrelevant.

Occasionally approaches investigations in an ethical manner, but shows very limited awareness of environmental impact and safety. Investigations demonstrate an ability to undertake basic investigative work requiring considerable guidance and instruction, and attempts at conclusions that are largely incorrect/irrelevant.

Grade 1

Fragmentary subject knowledge and shows very little understanding of any concepts or principles. Rarely demonstrates personal skills, perseverance or responsibility in investigative activities.

Rarely approaches investigations in an ethical manner, or shows an awareness of environmental impact and safety. Investigations demonstrate an ability to undertake very basic practical work with complete dependence on supervised instruction, with attempts at conclusions are either absent or completely incorrect/irrelevant.

Group 5 (mathematics) grade descriptors

Mathematics

Grade 7

Demonstrates a thorough knowledge and comprehensive understanding of the syllabus; successfully constructs and applies mathematical arguments at a sophisticated level in a wide variety of contexts; successfully uses problem solving techniques in challenging situations; recognizes patterns and structures, makes generalizations and justifies conclusions; understands and explains the significance and validity of results, and draws full and relevant conclusions; communicates mathematics in a clear, effective and concise manner, using correct techniques, notation and terminology; demonstrates the ability to integrate knowledge, understanding and skills from different areas of the course; uses technology correctly in challenging situations—makes efficient use of calculator's functionality when required.

Grade 6

Demonstrates a broad knowledge and comprehensive understanding of the syllabus; successfully constructs and applies mathematical arguments in a variety of contexts; uses problem solving techniques in challenging situations; recognizes patterns and structures, and makes some generalizations; understands and explains the significance and validity of results, and draws relevant conclusions; communicates mathematics in a clear and effective manner, using correct techniques, notation and terminology; demonstrates some ability to integrate knowledge, understanding and skills from different areas of the course; uses technology correctly in routine situations—makes efficient use of calculator's functionality when required.

Grade 5

Demonstrates a broad knowledge and good understanding of the syllabus; applies mathematical arguments in performing routine tasks; successfully uses problem solving techniques in routine situations; successfully carries out mathematical processes in a variety of contexts, and recognizes patterns and structures; understands the significance of results and draws some conclusions; communicates mathematics effectively, using appropriate techniques, notation and terminology; demonstrates an awareness of the links between different areas of the course; makes use of calculator's functionality when required (this use may occasionally be inefficient).

Grade 4

Demonstrates a satisfactory knowledge of the syllabus; applies mathematical arguments in performing some routine tasks; uses problem solving techniques in routine situations; successfully carries out mathematical processes in straightforward contexts; shows some ability to recognize patterns and structures; has limited understanding of the significance of results and attempts to draw some conclusions; communicates mathematics adequately, using some appropriate techniques, notation and terminology; makes some use of calculator's functionality, but perhaps not always when required (this use may occasionally be inefficient).

Grade 3

Demonstrates partial knowledge of the syllabus and limited understanding of mathematical arguments in performing some routine tasks; attempts to carry out mathematical processes in straightforward contexts; makes an attempt to use problem solving techniques in routine situations; communicates some

mathematics, using some appropriate techniques, notation or terminology; occasionally uses calculator's functionality, but often inefficiently—does not always use it when required and may use an inefficient analytic approach.

Grade 2

Demonstrates limited knowledge of the syllabus; attempts to carry out mathematical processes at a basic level; communicates some mathematics, but often uses inappropriate techniques, notation or terminology; unable to use calculator correctly when required—questions exclusively requiring the use of the GDC are generally not attempted.

Grade 1

Demonstrates minimal knowledge of the syllabus; demonstrates little or no ability to use mathematical processes, even when attempting routine tasks; communicates only minimal mathematics and consistently uses inappropriate techniques, notation or terminology; is unable to make effective use of technology.

Group 6 (arts) grade descriptors

Arts

Grade 7

The student's work demonstrates highly effective research and inquiry and the highly effective use of subject-specific terminology.

Creative work and processes demonstrate a highly effective understanding of artistic ideas and intentions.

Practical/performance work demonstrates highly effective subject-specific skills, techniques and competences.

The student demonstrates highly effective critical reflection on both work created and work in progress.

Grade 6

The student's work demonstrates effective research and inquiry and the effective use of subject-specific terminology.

Creative work and processes demonstrate an effective understanding of artistic ideas and intentions.

Practical/performance work demonstrates the effective use of subject-specific skills, techniques and competences.

The student demonstrates effective critical reflection on both work created and work in progress.

Grade 5

The student's work demonstrates developed research and inquiry and developed use of subject-specific terminology.

Creative work and processes demonstrate a developed understanding of artistic ideas and intentions.

Practical/performance work demonstrates developed subject-specific skills, techniques and competences.

The student demonstrates developed critical reflection on both work created and work in progress.

Grade 4

The student's work demonstrates basic research and inquiry and the basic use of subject-specific terminology.

Creative work and processes demonstrate a basic understanding of artistic ideas and intentions.

Practical/performance work demonstrates basic subject-specific skills, techniques and competences.

The student demonstrates basic critical reflection on both work created and work in progress.

Grade 3

The student's work demonstrates undeveloped or limited research and inquiry and undeveloped or limited use of subject-specific terminology.

Creative work and processes demonstrate an undeveloped or limited understanding of artistic ideas and intentions.

Practical/performance work demonstrates undeveloped or limited subject-specific skills, techniques and competences.

The student demonstrates undeveloped or limited critical reflection on both work created and work in progress.

Grade 2

The student's work demonstrates superficial research and inquiry and superficial use of subject-specific terminology.

Creative work and processes demonstrate a superficial understanding of artistic ideas and intentions.

Practical/performance work demonstrates superficial subject-specific skills, techniques and competences.

The student demonstrates superficial critical reflection on both work created and work in progress.

Grade 1

The student's work demonstrates irrelevant or inadequate research and inquiry and irrelevant or inadequate use of subject-specific terminology.

Creative work and processes demonstrate an irrelevant or inadequate understanding of artistic intentions or development of ideas.

Practical/performance work demonstrates irrelevant or inadequate subject-specific skills, techniques and competences.

The student demonstrates irrelevant or inadequate critical reflection on both work created and work in progress.