



Schola Europaea

Office of the Secretary-General
Pedagogical Development Unit

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Orig.: FR

Attainment descriptors - Integrated Science S1-S3

**APPROVED BY THE JOINT TEACHING COMMITTEE AT ITS MEETING OF 13
AND 14 OCTOBER 2016 IN BRUSSELS**

Entry into force on 1 September 2018

Attainment descriptors - Integrated Science S1-S3

Grade A (9.0-10 – Excellent)

The student:

- Is capable of critical analysis and use of scientific knowledge.
- Can plan an experiment selecting appropriate materials and equipment.
- Has developed excellent manipulation skills and shows considerable attention to safety concerns
- Communicates clearly using scientific vocabulary correctly.
- Demonstrates excellent presentation skills.
- Has excellent graphing skills.
- Shows initiative and is often a team leader.

Grade B (8.0-8.9 – Very good)

The student:

- Can use scientific knowledge to analyse unfamiliar problems.
- Can plan an experiment with assistance and write a detailed and structured report.
- Has made very good progress in developing new manipulation skills and is very aware of safety concerns.
- Communicates clearly using scientific vocabulary correctly.
- Demonstrates very good presentation skills.
- Is able to draw, describe and analyse different kinds of graphs.
- Works constructively in a team.

Grade C (7.0-7.9 – Good)

The student:

- Can use scientific knowledge to analyse familiar problems.
- Can follow a procedure and write a detailed report following guidelines.
- Has made good progress in developing new manipulation skills and pays attention to safety concerns.
- Communicates clearly most of the time using scientific vocabulary correctly.
- Demonstrates good presentation skills.
- Is able to draw, describe and analyse simple graphs.
- Works well in a team.

Grade D (6.0-6.9 – Satisfactory)

The student:

- Shows satisfactory understanding of scientific knowledge but has difficulty applying it.
- Can follow a procedure and write a basic lab report following guidelines.
- Has made satisfactory progress in developing new manipulation skills and pays attention to safety concerns.
- Uses basic scientific vocabulary, and descriptions show some structure.
- Demonstrates satisfactory presentation skills.
- Is able to draw, describe and read simple graphs.
- Works satisfactorily in a team.

Grade E (5.0-5.9 – Sufficient)

The student:

- Recalls basic scientific knowledge (names, facts and definitions) correctly.
- Can follow a procedure and write a basic lab report by completing given work sheets.
- Has made sufficient progress in developing new manipulation skills and pays attention to safety concerns.
- Uses basic scientific vocabulary, but descriptions may lack structure or clarity.
- Demonstrates satisfactory presentation skills
- Is able to draw and describe simple graphs.
- Participates in teamwork.

Grade F (3.0-4.9 – Failed/Weak)

The student:

- Shows little recall of basic scientific knowledge.
- Rarely completes experimental work. Has made insufficient progress in developing new manipulation skills and pays insufficient attention to safety concerns.
- Generally produces descriptions that are insufficient or incomplete with a poor use of scientific vocabulary.
- Lacks acceptable presentation skills.
- Has difficulty drawing and describing simple graphs.
- Needs assistance when working in a team.

Grade FX (0-2.9 – Failed/Very weak)

The student:

- Shows very little recall of basic scientific knowledge.
- Has problems following a procedure or completing written work.
- Has made no progress in developing new manipulation skills and generally pays no attention to safety.
- Has very poor communication and presentation skills.
- Has difficulty drawing and describing simple graphs without assistance.
- Does not work in a team.

Students should develop awareness of the environment and learn to act as responsible citizens with respect to their environment.

Attainment descriptors – Integrated Science S1-S3

	A (9.0-10 – Excellent)	B (8.0-8.9 – Very good)	C (7.0-7.9 – Good)	D (6.0-6.9 – Satisfactory)	E (5.0-5.9 – Sufficient)	F (3.0-4.9 – Failed/Weak)	FX (0-2.9 – Failed/very Weak)
Subject competences	Is capable of critical analysis and use of scientific knowledge. Excellent graphing skills.	Can use scientific knowledge to analyse unfamiliar problems. Is able to draw, describe and analyse different kinds of graphs.	Can use scientific knowledge to analyse familiar problems. Is able to draw, describe and analyse simple graphs.	Shows satisfactory understanding of scientific knowledge but has difficulties applying it. Is able to draw, describe and read simple graphs.	Recalls basic scientific knowledge (names, facts and definitions) correctly. Is able to draw and describe simple graphs.	Shows little recall of basic scientific knowledge. Has difficulty drawing and describing simple graphs.	Shows very little recall of basic scientific knowledge. Has difficulty drawing and describing simple graphs without assistance.
Investigative work	Can plan an experiment selecting appropriate materials and equipment.	Can plan an exp. with assistance and write a detailed and structured report.	Follows the procedure and writes a detailed report following guidelines.	Follows the procedure and writes a basic lab report following guidelines.	Follows a procedure and writes a basic lab report by completing given work sheets.	Rarely completes experimental work.	Rarely follows the procedure or completes written work.

Manipulation skills and safety	Has developed excellent manipulation skills and considerable attention to safety concerns.	Very good progress in developing new manipulation skills and is very aware of safety concerns.	Good progress in developing new manipulation skills and pays attention to safety concerns.	Satisfactory progress in developing new manipulation skills pays attention to safety concerns.	Sufficient progress in developing new manipulation skills pays attention to safety concerns.	Insufficient progress in developing new manipulation skills and insufficient attention to safety concerns.	Has made no progress in developing new manipulation skills and generally pays no attention to safety.
Communication (oral and written)	Communicates clearly using scientific vocabulary correctly. Demonstrates excellent presentation skills.	Communicates clearly using scientific vocabulary correctly. Demonstrates very good presentation skills.	Communicates clearly most of the time using scientific vocabulary correctly. Demonstrates good presentation skills.	Uses basic scientific vocabulary, and descriptions show some structure. Demonstrates satisfactory presentation skills.	Uses basic scientific vocabulary, but descriptions may lack structure or clarity. Demonstrates satisfactory presentation skills	Generally produces descriptions that are insufficient or incomplete with a poor use of scientific vocabulary. Lacks acceptable presentation skills.	Has very poor communication and presentation skills.
Teamwork	Shows initiative – a team leader.	Works constructively in a team.	Works well in a team.	Works satisfactorily in a team.	Participates in teamwork.	Needs assistance when working in a team.	Does not work in a team.

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