

Curriculum Fit

Basic learning objectives



By promoting creative thinking and problem-solving skills, Little Inventors offers many opportunities to link to several curriculum areas with an integrated approach.

1° Level: 6 years

LO1

Create designs of technological objects, representing their ideas through freehand drawings or concrete models, based on their own experiences and topics from other subjects, with guidance from the teacher.

LO3

Develop a technological object according to the teacher's instructions, selecting and experimenting with:

- Techniques and tools for measuring, cutting, folding, joining, gluing, painting, among others.
- Materials such as papers, fibers, plastics, waste, among others.

LO6

Explore and use a variety of educational software (simulators, digital books, interactive and creative tools, among others) to achieve meaningful learning and appropriate interaction with ICT (Information and Communication Technology).

2° Level: 7 years

LO1

Create designs of technological objects, representing their ideas through freehand drawings or concrete models, based on familiar contexts and topics from other subjects, with guidance from the teacher.

LO3

Develop a technological object according to the teacher's instructions, selecting and experimenting with:

- Techniques and tools for measuring, cutting, folding, joining, gluing, painting, among others.
- Materials such as papers, cardboard, fibers, plastics, waste, among others.

LO5

Use drawing software to create and represent different ideas through images.

LO6

Use word processing software to create, edit, and save information.

LO7

Use the internet to access and extract information following the teacher's instructions and considering source security.

3° Level: 8 years

LO3

Develop a technological object to solve problems, selecting and demonstrating mastery of:

- Techniques and tools for measuring, marking, cutting, folding, joining, gluing, painting, among others.
- Materials such as papers, cardboard, fibers, plastics, ceramics, waste, among others.

LO4

Test and evaluate the quality of one's own or others' work, individually or in teams, applying technical, environmental, and safety criteria, and engaging in dialogue about their results and improvement ideas.

LO5

Use presentation software to organize and communicate ideas for different purposes.

LO6

Use word processing software to create, edit, format, and save information.

LO7

Use the internet and search engines to locate, extract, and store information, considering source security.

4° Level: 9 years

LO3

Develop a technological object to solve problems, selecting and demonstrating mastery of:

- Techniques and tools for measuring, marking, cutting, joining, painting, drilling, sawing, folding, and gluing, among others.
- Materials such as papers, cardboard, wood, fibers, plastics, ceramics, waste, among others.

LO4

Test and evaluate the quality of one's own or others' work, individually or in teams, applying criteria for functionality, technical aspects, environmental considerations, and safety, and engaging in dialogue about their results and ideas for improvement.

LO5

Use software to organize and communicate ideas and information for different purposes through:

- Presentation programs to display images, diagrams, and texts, among others.
- Spreadsheets to organize data and create simple charts.

LO6

Use word processing software to create, edit, format, incorporate design elements, and save a document.

LO7

Use the internet and search engines to locate, extract, evaluate, and store information, considering source security.

5° Level: 10 years

LO3

Develop a technological product to solve problems and take advantage of opportunities, selecting and demonstrating mastery in the use of:

- Techniques and tools for measuring, marking, cutting, joining, gluing, mixing, sanding, sawing, drilling, and painting, among others.
- Materials such as papers, cardboard, wood, fibers, plastics, ceramics, metals, waste, among others.

LO4

Test and evaluate the quality of one's own or others' work, individually or in teams, applying criteria for functionality, technical aspects, environmental considerations, aesthetics, and safety, and engaging in dialogue about their results and ideas for improvement.

LO5

Use software to organize and communicate research results and exchange ideas for different purposes through:

- Presentation programs to display images, diagrams, and texts, among others.
- Spreadsheets to create two-way tables and generate bar and line charts, among others.

LO6

Use word processing software to create, edit, format, incorporate design elements, and save a document.

LO7

Use the internet and online communication to share information of different nature with others, considering source security and privacy regulations.

6° Level: 11 years

LO3

Develop a technological product to solve problems and take advantage of opportunities, selecting and demonstrating mastery in the use of:

- Techniques and tools for measuring, marking, cutting, joining, gluing, drilling, mixing, sanding, sawing, and painting, among others.
- Materials such as papers, cardboard, wood, fibers, plastics, ceramics, metals, waste, among others.

LO4

Test and evaluate the quality of one's own or others' work, individually or in teams, applying criteria for functionality, technical aspects, environmental considerations, aesthetics, and safety, engaging in dialogue about their results, and applying appropriate corrections.

LO5

Use software to organize and communicate research results and exchange ideas for different purposes through:

- Presentation programs to display images, diagrams, and texts, among others.
- Spreadsheets to create two-way tables and design simple and double-bar, pie, and line charts, among others.

LO6

Use word processing software to create, edit, format, incorporate design elements, review, and save a document.

LO7

Use the internet and online communication to share and publish information of different nature with others, considering source security, privacy regulations, and terms of use.

7° Level: 12 years

LO2

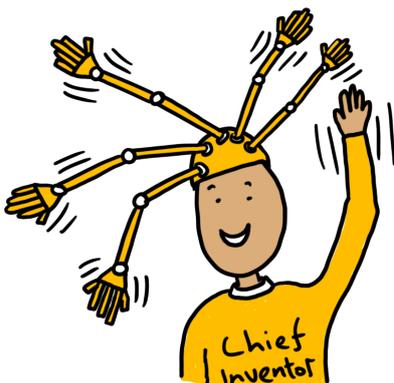
Design and implement solutions that meet the needs of repairing, adapting, or improving objects or environments, making efficient use of material, energy, and digital resources.

LO4

Communicate the design, planning, or other processes of addressing the needs for repairing, adapting, or improving objects or environments, using ICT tools and considering the objective, audience, and ethical aspects.

LO6

Characterize some of the effects that existing technological solutions for repairing, adapting, or improving have had, considering social and environmental aspects.



Summary

LO1

Create designs of technological objects, representing their ideas through freehand drawings or concrete models, based on their own experiences and topics from other subjects, with guidance from the teacher.

LO2

Design and implement solutions that meet the needs of repairing, adapting, or improving objects or environments, making efficient use of material, energy, and digital resources.

LO4

Communicate the design, planning, or other processes of addressing the needs for repairing, adapting, or improving objects or environments, using ICT tools and considering the objective, audience, and ethical aspects.

LO6

Characterize some of the effects that existing technological solutions for repairing, adapting, or improving have had, considering social and environmental aspects.

Develop a technological object according to the teacher's instructions, selecting and experimenting with:

- Techniques and tools for measuring, cutting, folding, joining, gluing, painting, among others.
- Materials such as papers, cardboard, fibers, plastics, waste, among others.

