



# DIGITAL ACTION PLAN

## FOR EDUCATION AND HIGHER EDUCATION 2018-2023



**VISION:** The effective integration and optimal use of digital technologies to foster the success of all Quebecers in order to promote lifelong skills development and maintenance.

### 1 SUPPORT THE DEVELOPMENT OF THE DIGITAL SKILLS OF YOUNG PEOPLE AND ADULTS (191 M\$)

### 2 MAKE USE OF DIGITAL TECHNOLOGIES TO ENHANCE TEACHING AND LEARNING PRACTICES (204 M\$)

### 3 CREATE AN ENVIRONMENT CONDUCTIVE TO THE DEVELOPMENT OF DIGITAL TECHNOLOGIES IN THE EDUCATION SYSTEM (790 M\$)

<b>DEVELOPMENT OF THE TYPES OF EDUCATION AND TRAINING OFFERED</b>	<b>INNOVATIVE PRACTICES</b>	<b>MONITORING OF EDUCATIONAL PROGRESS</b>
<p>Define digital skills and integrate them effectively into the types of education and training offered</p> <ul style="list-style-type: none"> <li>Establish a reference framework of cross-curricular digital competencies at every level of education</li> <li>Increase the use of coding in education</li> <li>Support inter-institutional cooperation by creating innovation clusters in digital education</li> </ul>	<p>Develop new digital teaching and learning practices</p> <ul style="list-style-type: none"> <li>Support the acquisition and development of digital educational resources</li> <li>Encourage innovative projects involving digital technologies</li> <li>Develop digital ministry evaluation tools</li> <li>Release open data and foster its use</li> </ul>	<p>Oversee the deployment of dedicated administrative and pedagogical solutions to monitor educational progress</p> <ul style="list-style-type: none"> <li>Implement the unified electronic file that students will have throughout their education</li> <li>Support and supervise the development of enterprise resource planning software in the education and higher education systems</li> <li>Improve communication and collaboration among educators, students and parents using digital technologies</li> </ul>
<b>DIGITAL SKILLS AND CULTURE</b>	<b>RESOURCES AND SERVICES</b>	<b>ADAPTED AND FLEXIBLE GOVERNANCE</b>
<p>Support the development of the digital skills of teachers, non-teaching professionals and support staff</p> <ul style="list-style-type: none"> <li>Develop a new competency framework for the teaching profession to foster the integration of digital technologies into the educational practices of future teachers</li> <li>Foster the continuing education of teachers, non-teaching professionals and support staff in digital pedagogy</li> <li>Maximize current RÉCIT services and support techno-pedagogical leadership in educational institutions</li> <li>Maximize the role of staff members responsible for integrating digital technologies in institutions of higher education</li> </ul>	<p>Pool resources and services so that they can be shared and made as accessible as possible</p> <ul style="list-style-type: none"> <li>Develop a provincial platform for digital educational resources</li> <li>Support the continued deployment of École en réseau</li> <li>Provide access to e-books in school libraries and encourage the shift from library to learning commons</li> <li>Implement a shared services platform for university libraries</li> </ul>	<p>Strengthen digital governance and rely on partnerships as a strategic lever</p> <ul style="list-style-type: none"> <li>Implement governance conducive to the deployment of digital technologies</li> <li>Strengthen cooperation with partners in education and higher education</li> <li>Stimulate collaboration with Québec businesses to develop educational technologies</li> </ul>
<b>Support individuals and organizations in making the transition to a digital culture</b>	<b>DISTANCE EDUCATION</b>	<b>ACCESS</b>
<ul style="list-style-type: none"> <li>Promote innovative pedagogical practices and the potential of digital technologies in education</li> <li>Help learners understand the opportunities, issues and impacts associated with the use of digital technologies, including those related to the protection of privacy</li> <li>Support institutions in the development of continuing education and professional development offerings in the area of digital technology</li> </ul>	<p>Foster the development of distance education offerings based on needs at the various levels of education</p> <ul style="list-style-type: none"> <li>Foster the development of distance education at the elementary and secondary levels</li> <li>Develop massive open online courses to meet large-scale education needs</li> <li>Bring together distance education offerings at the college and university levels – eCampus Québec</li> <li>Foster the sharing of expertise in distance education</li> </ul>	<p>Guarantee access to fair and safe digital technologies in educational institutions</p> <ul style="list-style-type: none"> <li>Support educational institutions in their acquisition of digital equipment for pedagogical purposes</li> <li>Increase the use of resources and software to support learning for all learners, including students with social maladjustments or learning difficulties</li> <li>Offer technical support in educational institutions to help learners and staff use digital devices for pedagogical purposes</li> <li>Contribute to the educational component of the government action plan to establish digital infrastructures</li> <li>Improve information security in the education and higher education systems</li> </ul>

# IMPLEMENTATION OF KEY MEASURES

2018-2019

2019-2020

2020-2021

2021-2022

2022-2023

EDUC  
HE

Establish a reference framework of cross-curricular digital competencies at every level of education

Launching a reference framework of digital competencies for every level of education

EDUC

Increase the use of coding in education

Continuation of Robot 360 pilot project  
Finalization of the action research project and development of deployment scenarios

Deployment of the pedagogical use of coding in schools

EDUC

Develop a new competency framework for the teaching profession to foster the integration of digital technologies into the educational practices of future teachers

Development of a new competency framework for the teaching profession  
Publication of framework in 2019

Initiation of the revision of university-level teacher training programs

EDUC  
HE

Digital technology combos

Foster the continuing education of teachers, non-teaching professionals and support staff in digital pedagogy

Help educational institutions acquire digital equipment for pedagogical purposes

Province-wide digital education days  
Funding for continuing education of staff  
Assortments of digital equipment for schools  
Funding for the procurement and maintenance of equipment

EDUC  
HE

Develop digital ministry evaluation tools

Development of the business plan for the implementation of a platform for the management of digital ministry examinations  
Public call for tenders to acquire a solution

Development phase and gradual implementation of the project

Accessible platform for examination management services

EDUC

Develop a provincial platform for digital educational resources

Development of the business plan for the implementation of a provincial platform for digital educational resources

Development phase and gradual implementation of the project

Accessible platform

EDUC

Provide access to e-books in school libraries and encourage the shift from library to learning commons

Development of an e-book lending platform for school libraries

Accessible platform

EDUC

Foster the development of distance education at the elementary and secondary levels

Development of ministerial orientations for distance education  
Implementation of pilot projects

Initiation of implementation depending on the orientations chosen

HE

eCampus Québec

Bring together distance education offerings at the college and university levels

Joint design and construction with institutions of higher education

Development and implementation according to the orientations chosen at the joint construction phase

EDUC  
HE

Implement the unified electronic file that students will have throughout their education

Study and design of the unified electronic file  
Pilot project for accessing students' academic results

Implementation of the project and gradual deployment

EDUC  
HE

Contribute to the educational component of the government action plan to establish digital infrastructures

Mapping of the network and inventory of infrastructures

Implementation of the education and higher education components of the government action plan