

Communication Technology 11

Foundational Outcomes

Website References

Website references contained within this document are provided solely as a convenience and do not constitute an endorsement by the Department of Education of the content, policies, or products of the referenced website. The department does not control the referenced websites and subsequent links, and is not responsible for the accuracy, legality, or content of those websites. Referenced website content may change without notice.

Regional Education Centres and educators are required under the Department's Public School Programs Network Access and Use Policy to preview and evaluate sites before recommending them for student use. If an outdated or inappropriate site is found, please report it to <curriculum@novascotia.ca>.

© Crown copyright, Province of Nova Scotia, 2020




Prepared by the Department of Education and Early Childhood Development

This is the most recent version of the current curriculum materials as used by teachers in Nova Scotia.

The contents of this publication may be reproduced in part provided the intended use is for non-commercial purposes and full acknowledgment is given to the Nova Scotia Department of Education.

Communications Technology 11

As teachers determine their lesson plans for Term 1 of the 2020-2021 school year, one of the considerations will be the sequencing of learning activities. Where possible, activities that will be difficult or impossible to do at home should be done early in the term, to be better prepared to shift to a learning-at-home model, if required. The colour-coded outcomes below can serve as a guide for teachers as they make activity sequencing decisions.

-  In-class learning priority
-  In-class learning preferred
-  Outcome could be met from home

Module 1: Fundamentals of Communications Technology (mandatory threading outcomes)

- 1.1 demonstrate an understanding of the history of communication
- 1.2 investigate their strengths related to career options in communications technology
- 1.3 generate a professional portfolio representing a collection of work completed throughout the course using the design process
- 1.4 determine and create solutions to design problems that can persuade or entertain an audience using a variety of electronic communications tools
- 1.5 demonstrate an understanding of the social and environmental impacts of communications technology
- 1.6 demonstrate an understanding of life-cycle analysis of modern communications equipment and processes
- 1.7 demonstrate safe practices when using communications technology tools and equipment

Module 2: Digital Photography (mandatory module)

- 2.1 demonstrate an understanding of the basic operation and care of a digital camera
- 2.2 practice various photographic techniques and photographic composition using a single lens reflex camera and tripod
- 2.3 explore various scene lighting techniques and the effects of it
- 2.4 demonstrate an understanding of image resolution and digital file formats

Module 3: Technical Design

- 3.1 create three-dimensional designs through digital solid modelling techniques
- 3.2 demonstrate an understanding of orthographic and isometric projection through digital solid modelling techniques
- 3.3 demonstrate an understanding of technical communication language and symbols

Module 4: Graphic Design

- 4.1 demonstrate an understanding of the principles and elements of design

- 4.2 demonstrate effective use of the colour wheel for graphic design
- 4.3 demonstrate an understanding of appropriate uses of typography for graphic design
- 4.4 communicate a message by manipulating images and words using a digital format
- 4.5 use appropriate settings for output of images for web use

Module 5: Web Publishing

- 5.1 plan, design, and create a web interface and navigation system within a website
- 5.2 identify the elements of a web page
- 5.3 identify basic HTML code
- 5.4 create and edit web-appropriate graphics, photographs, and written text

Module 6: Video Production

- 6.1 use a digital video camera and tripod safely and appropriately to capture video
- 6.2 incorporate sound tracks into video
- 6.3 edit video using a digital format
- 6.4 compress a video for electronic distribution

Module 7: Broadcasting

- 7.1 practice using different modalities and applications of broadcasting through various roles within a broadcast studio
- 7.2 identify broadcasting equipment and the various range of broadcast signals
- 7.3 produce a broadcast for a specific purpose
- 7.4 practice journalism story form to broadcast a message

Module 8: Animation

- 8.1 demonstrate an understanding of storyboarding techniques for animation
- 8.2 demonstrate an understanding of the fundamentals of sequencing moving digital images
- 8.3 create an animation that has a purpose and message