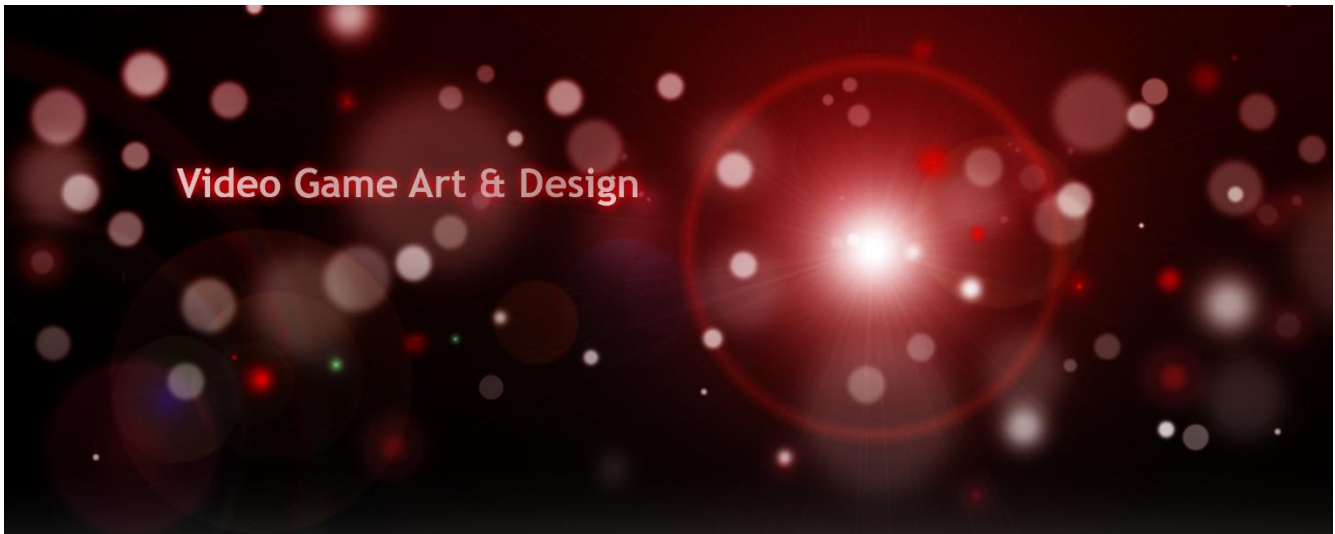# College of the North Atlantic
Video Game Art & Design
Tools and Equipment

Updated June 16, 2023

FOR STUDENTS BEGINNING IN FALL 2023 AND GRADUATING IN JUNE 2026

Some materials and supplies will be purchased in Year 1 will be used throughout the 3-year program, such as technology and basic drawing supplies. It is suggested that you check with each instructor at the beginning of the semester because software and textbooks may change, and new editions may be adopted. Some art and video editing software used requires a paid Adobe subscription, some 3D modeling software and game engine software TBD for each course, may be free (or free educational) versions, however license agreements and course choices fluctuate.

SOURCING ART SUPPLIES & TECHNOLOGY: Here are some examples of places to buy these items
Online

- Michael's (https://canada.michaels.com)
- Above Ground Art Supplies (www.abovegroundartsupplies.com/)
- Amazon (www.amazon.ca)
- Curry's (www.currys.com/default.htm)
- BestBuy (https://bestbuy.ca)
- NewEgg (https://newegg.ca)
- Polymer Clay Canada (best for Sculpey products) (www.polymerclaycanada.com)

St. John's, NL

- Michael's (36 Stavanger Dr.)
- Art Cansel (210 Kenmount Rd)
- Best Buy (3 Stavanger Dr.)

COMPUTER WORKSTATION/DESKTOP AND PERIPHERALS:

- Windows gamer workstation with a powerful graphics card* A desktop computer is recommended (if looking at a gamer laptop, make sure the same minimum requirements are met). Prices fluctuate, estimated at around $2500.00
- Specifications of minimum computer requirements:
  - Intel Core i7 or AMD Ryzen 7, or better
  - 32GB RAM or better
  - Nvidia RTX 3070 or better (graphics card) with 8GB video memory
  - Windows 10 or 11
  - Multiple USB 3.0 Type A and C ports
  - Internet capability
  - Quality sound card (minimum stereo sound capability and headphone/speaker outputs, audio/mic inputs)
  - VR ready

  *Note: If you already have a computer that meets the minimum requirements of Adobe Photoshop CC and online courses in general, you may use this for Year 1 and choose to wait by Fall of Year 2 to purchase the more powerful computer described here.

- (Winter Semester 2, Year 1) Digital Drawing Display/Monitor/Screen - Such as the Huion Kamvas Pro 12, 16 (or larger) (prices fluctuate, estimated at around $350.00 and up) or Wacom Cintiq Pro 13" (or larger).
- All online courses require a computer, internet access, webcam with microphone & headset (such as: a gamer headset or Cyber Mono USB Headset example: CDW Canada. Mfg#: AC840).

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BACKUP: In case your main hard drive fails, you are responsible to keep organized backups of your work on a daily basis. All Year 1, 2 & 3 courses require that you continuously back up your work on either an external hard drive (such as USB powered), or a cloud service such as One Drive or Adobe cloud, or on a second hard drive inside your computer. (such as: 1TB SSD / 1TB HDD and/or cloud service)

VR Note: A VR headset is required by Year 3, brand and specs are to be determined closer to the time as needed. Device prices & models fluctuate, it could be approximately $300 - $600. (Check with Instructor Greg Wells closer to Year 3)

*Instructor may suggest additional/substitute supplies and textbooks for the courses, check at the start.

Semester 1	FALL
Courses	**Tools & Equipment**
CM1100	**TEXTBOOK:** Simon & Schuster Handbook for Writers*
GD1130	N/A
HY1120	**TEXTBOOK:** Art: A Brief History* available on Vitalsource.ca
PY1150	o Digital Single Lens Reflex (DSLR) camera OR camera or cell phone which can take high quality photographs o Adobe Photoshop CC software
VA1110	o Strathmore® 400 Series Sketch Paper Pad (or similar) o Faber Castell Pitt Artist Manga Drawing Pens - Black set of 4 (or PITT Artist Pen Set or similar) o Winsor & Newton™ Studio Collection™ Sketching Pencil 10pc Tin Set (or similar) **TEXTBOOK:** Design Basics* available on Vitalsource.ca
VA1115	Same as VA1110
VA1400	o Strathmore® 400 Series Sketch Paper Pad (or similar) o W&N Cotman Watercolour Pocket Plus Set (includes palette & brush) (or similar) o Royal & Langnickel® Menta™ Synthetic Squirrel Watercolour 5 Piece One-Stroke Variety Brush Set (or similar) o Winsor & Newton™ Studio Collection™ Sketching Pencil 10pc Tin Set (or similar) o Pro-Art 9-Inch by 12-Inch Canson Watercolor Paper Pad, 30-Sheet (or similar)
Semester 2	WINTER
CM1521	N/A
GD1120	N/A
GD1140	N/A
HY1130	**TEXTBOOK:** Art: A Brief History* available on Vitalsource.ca
VA1120	o Digital Drawing Display - Such as the Huion Kamvas Pro 12, Wacom Cintiq Pro 13" (or larger) o Adobe Photoshop Creative Cloud software **TEXTBOOK:** Adobe Photoshop CC Classroom in a Book* available on Vitalsource.ca
VA1140	Same as VA1110
VA1170	o Strathmore® 400 Series Sketch Paper Pad (or similar)

	o Good Quality Scissors
	o Clear tape
	o Glue stick
	o Sculpey ASSD01 Style and Detail Tools, Set of 3 (or similar)
	o Sculpey SS1 Super-, 1 Pound oven-bake (beige or other colour) or OR air-dry option: Sculpey AD2222 Air Dry Clay
	o Premium Sculpting & Armature Wire By Craft Smart®, 0.07" x 32ft (or similar)
	o Long nose pliers with wire cutter
	o **TEXTBOOK:** Design Basics* available on Vitalsource.ca
Semester 3	**FALL**
CM2200	N/A
GD1150	o PlayMaker for Unity License for Windows – buy from Unity Store (Check with Instructor first as this may be updated) o Adobe Creative Cloud Software – (Photoshop, Premiere Pro, Audition, Bridge, etc.) **TEXTBOOK:** The Art of Game Design: A Book of Lenses*
GD1160	o Adobe Creative Cloud Software – (Photoshop, Premiere Pro, Audition, Bridge, etc.) **TEXTBOOK:** The Animator's Survival Kit: A Manual of Methods, Principles and Formulas for Classical, Computer, Games, Stop Motion and Internet Animators*
GD1170	o Adobe Creative Cloud Software – (Photoshop, Premiere Pro, Audition, Bridge, etc.)
GD1180	Same as GD1170
Semester 4	**WINTER**
CM1400	**TEXTBOOK:** Technical Communications*
GD1600	N/A
GD2110	o Adobe Creative Cloud Software – (Photoshop, Premiere Pro, Audition, Bridge, etc.)
GD2121	o Adobe Creative Cloud Software – (Photoshop, Premiere Pro, Audition, Bridge, etc.)
GD2130	**TEXTBOOK:** Video Game Storytelling: What Every Developer Needs to Know about Narrative Techniques*
Semester 5	**INTERSESSION**
GD2140	o Adobe Software – (Creative Cloud all apps, Photoshop, Premiere Pro, Audition, Bridge, Substance Suite etc.)
GD2150	Same as GD2140
GD2160	N/A
Semester 6	**FALL**
GD3100	o Adobe Software – (Creative Cloud all apps, Photoshop, Premiere Pro, Audition, Bridge, Substance Suite etc.) o
GD3110	Same as GD3100
GD3120	Same as GD3100

GD3130	Same as GD3100
Semester 7	**WINTER**
EP1100	**TEXTBOOK: (May change, check with Instructor at beginning of course)** Canadian Entrepreneurship and Small Business Management*
GD3140	o Adobe Software – (Creative Cloud all apps, Photoshop, Premiere Pro, Audition, Bridge, Substance Suite etc.)
GD3150	Same as GD3140
GD3160	o Same as GD3140
GD3170	o Same as GD3140
Semester 8	**INTERSESSION**
GD3180	o Adobe Software – (Creative Cloud all apps, Photoshop, Premiere Pro, Audition, Bridge, Substance Suite etc.)