

## APPENDIX B: DRAFTING AND DESIGN 11 AND 12 • *Grade Collections*



### 3D Studio VIZ

**General Description:**

3D Studio VIZ is tailored to meet the visualization needs of architects, land planners, mechanical designers and other design professionals. This software package is designed to model, render and animate architectural visual presentation, allowing tight integration with AutoCAD related products, including 3D Studio Max.

**System Requirements:**

Windows: Windows 98, NT, 128 Mb RAM, colour monitor, graphics card, mouse required.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** Merlan Scientific Ltd.  
247 Armstrong Avenue  
Georgetown, ON L7G 4X6

**Tel:** (905) 877-0171      **Fax:** (905) 877-0929

**Toll Free:** 1-800-387-2474

**Web Address:** www.merlan.ca

**Price:** Provincial Software Brokered Agreement

**ISBN/Order No:** Software: 17003-016031-4600

**Copyright:** 1999



### 3ds max 4.0

**General Description:**

This comprehensive resource is a professional 3D modeling, animation and rendering software for creating technical visualizations, visual effects, character animation and game development. This software program includes *Character Studio 3*, a powerful extension which allows the student full control of biped creatures used in technical visualizations.

**System Requirements:**

Windows: System 98, NT, 2K; 128 Mb RAM; colour monitor, graphics cards, CD-ROM drive; mouse required.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** Merlan Scientific Ltd.  
247 Armstrong Avenue  
Georgetown, ON L7G 4X6

**Tel:** (905) 877-0171      **Fax:** (905) 877-0929

**Toll Free:** 1-800-387-2474

**Web Address:** www.merlan.ca

**Price:** Provincial Software Brokered Agreement

**ISBN/Order No:** Software: 12807-010000-5790A

**Copyright:** 2001



### Adobe Photoshop 6.0

**General Description:**

This software is a comprehensive image editing tool. It incorporates powerful features for quickly performing the necessary steps to retouch images while mastering essentials of using professional image editing tools. Includes flexible image capture and output options.

**System Requirements:**

Macintosh: PowerPC 64 Mb RAM; VGA Monitor, Monitor resolution of 800 x 600 or greater; CD-ROM drive.

Windows: Windows 98, 2000 or NT 4.0; Pentium 64 Mb RAM; VGA Monitor, Monitor resolution of 800 x 600 or greater; CD-ROM drive.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** Adobe Systems Incorporated  
345 Park Avenue  
San Jose, CA 95110-2704

**Tel:** (408)-536-6000      **Fax:** (408)-537-6000

**Toll Free:** 1-800-833-6687

**Web Address:** www.adobe.com

**Price:** Check with supplier

**ISBN/Order No:** Not available

**Copyright:** 2001



**Adobe Premiere 6.0**

**General Description:**

This powerful video editing tool allows students to assemble comprehensive technical visualization presentations, combining animation clips, still graphic images, sound and video. Final presentation may be exported to screen, video, print or web.

**System Requirements:**

Macintosh: PowerPC® processor; Mac OS software version 9.0.4; 32 Mb of available RAM (128 recommended); 50 Mb of available hard-disk space required for installation; Apple QuickTime™ 4.1.2; large-capacity hard disk or disk array. Mac OS X support.  
Windows: Intel® Pentium® processor (@ 300 MHz); Microsoft® Windows® 98, Windows 98 Second Edition, Windows Millennium Edition, Windows 2000, or Windows NT® 4.0 with Service Pack 4, 5 or 6a; 64 Mb of RAM; 130 Mb of available hard-disk space; 256-color video display adapter; large-capacity hard disk or disk array.

**Caution:**

Application limited to technical visualization projects.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** Adobe Systems Incorporated  
345 Park Avenue  
San Jose, CA 95110-2704

**Tel:** (408)-536-6000      **Fax:** (408)-537-6000

**Toll Free:** 1-800-833-6687

**Web Address:** www.adobe.com

**Price:**

**ISBN/Order No:**

**Copyright:** 2000



**Applying AutoCAD® 2000: A Step-by-Step Approach**

**Author(s):** Wohlers, T.

**General Description:**

This resource provides a modular approach to learning *AutoCAD 2000*. It includes a manual/student text and an instructor's resource guide with CD-ROM. The 350-page instructor's resource guide has a scope and sequence chart, test pages, answer keys, lesson plans with blackline masters and assessment activities. All relate directly to the process of learning *AutoCAD 2000*.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** McGraw-Hill Ryerson Ltd. (Ontario)  
300 Water Street  
Whitby, ON L1N 9B6

**Tel:** (905) 430-5000      **Fax:** (905) 430-5194

**Toll Free:** 1-800-565-5758 (orders)

**Web Address:** www.mcgrawhill.ca

**Price:** Text: \$67.96  
Instructor's Resource Guide: \$107.95

**ISBN/Order No:** Text: 0-02-668589-2  
Instructor's Resource Guide: 0-02-668591-4

**Copyright:** 2000



**Architectural Graphic Standards, Ninth Edition**

**Author(s):** Ramsey, S.

**General Description:**

Technical resource on building design and construction can be used by students and teachers involved in architecture, interior design and construction technology as a reference for national standards. Particularly useful in determining international architectural standards and sizes. Package includes text resource and/or can be purchased in CD-ROM format.

**System Requirements:**

Windows 95, 98, NT: 2K; IBM 486DX/33 minimum; 24 Mb RAM; 1.5 Mb HD space; CD-ROM; 256-color monitor.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** John Wiley & Sons Canada Ltd.  
22 Worcester Road  
Etobicoke, ON M9W 1L1

**Tel:** (416) 236-4433      **Fax:** (416) 236-8743

**Toll Free:** 1-800-567-4797

**Web Address:** www.wiley.com

**Price:** Text: \$114.00  
CD-ROM: \$500.00

**ISBN/Order No:** Text: 0-471-34817-1  
CD-ROM: 0-471-38289-2

**Copyright:** 2000



**Architecture: Drafting and Design,  
Seventh Edition**

**Author(s):** Hepler, D. et al.

**General Description:**

Up-to-date program is designed to help students learn and communicate basic principles of architectural design and construction systems. With the broad scope of the content and the multitude of resource materials, courses can easily be designed to fit both beginning and more advanced architectural students/courses. Package includes teacher's resource binder, student text, and a student workbook.

**Caution:**

- Needs to update with current AutoCAD standards R 2000i.
- Does not reflect metric measurements.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** McGraw-Hill Ryerson Ltd. (Ontario)  
300 Water Street  
Whitby, ON L1N 9B6

**Tel:** (905) 430-5000      **Fax:** (905) 430-5194

**Toll Free:** 1-800-565-5758 (orders)

**Web Address:** www.mcgrawhill.ca

**Price:** Text: \$85.81  
Teacher's Resource Binder: \$150.95

**ISBN/Order No:** Text: 0-02-637067-0  
Teacher's Resource Binder: 0-02-637068-9

**Copyright:** 1998



**Architecture is Elementary**

**Author(s):** Winters, N.

**General Description:**

This workbook discusses the principles of architectural design. Lessons trigger the creative responses from the reader. Abstract design concepts are presented in a clear, logical format.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
												✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** Raincoast Books  
9050 Shaughnessy Street  
Vancouver, BC V6P 6E5

**Tel:** (604) 323-7100      **Fax:** (604) 323-2600

**Toll Free:** 1-800-663-5714

**Web Address:** www.raincoast.com

**Price:** \$39.95

**ISBN/Order No:** 0-87905-186-8

**Copyright:** 1997



**Architecture: Residential Drawing and  
Design**

**Author(s):** Kicklighter, C.

**General Description:**

This print package contains comprehensive information necessary for planning residential buildings plus drawing techniques using traditional and computer-based methods. Includes teacher resource binder, student workbook and instructor's manual. Both imperial and metric information given.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** Nelson Thomson Learning  
1120 Birchmount Road  
Scarborough, ON M1K 5G4

**Tel:** 1-800-268-2222      **Fax:** 1-800-430-4445

**Toll Free:** 1-800-268-2222/1-800-668-0671

**Web Address:** www.nelson.com

**Price:** Text: \$88.95  
Instructor's Manual: \$88.95

**ISBN/Order No:** Text: 1-56637-590-8  
Instructor's Manual: 1-56637-592-4

**Copyright:** 2000

## APPENDIX B: DRAFTING AND DESIGN 11 AND 12 • *Grade Collections*



### Art•lantis

#### General Description:

This 3D rendering software, for both Macintosh and Windows, allows the importation of several 3D modeling package format files so that the end result is close to being a photorealistic image. Some animation ability is also included. Raytracing, multiple cameras and lights, atmospheric effects are included. Six tutorials are included in the user's manual.

#### System Requirements:

Macintosh: Mac OS 8.5 or higher (Mac OS 9 recommended); 64 Mb minimum (128 Mb recommended); 50 Mb minimum for a full program installation; QuickTime™ 4.0 or higher; 24-bit video card recommended; CD-ROM drive.  
Windows: PC Pentium™ with Microsoft Windows 95, 98, 2000 or NT; 64 Mb minimum (128 Mb recommended); 50 Mb minimum for a full program installation; QuickTime™ 4.0 or higher; 24-bit video card recommended; CD-ROM drive.

#### Caution:

Possible limited importability of other 3D modeling package files (e.g., *3D Studio Max* creates ".max format files"). Having greater variety of file formats would make this product even more useful.

#### Audience

General

**Category:** Student, Teacher Resource

#### Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** Paxar Technologies Corp  
2-1002 Goldstream Ave.  
Victoria, BC V9B 2 Y5

**Tel:** (250) 474-8975 **Fax:** (250) 474-8976

**Toll Free:** 1-800-260-0905

**Web Address:** www.paxar.bc.ca

**Price:** Provincial Software Brokered Agreement

**ISBN/Order No:** Not available

**Copyright:** 2001



### AutoCAD® 2000i

#### General Description:

Comprehensive CADD package meets the needs of students pursuing a post-secondary education or career in drafting and design, and its related fields.

#### System Requirements:

Windows: Pentium 133 or better, 130 Mb minimum HD space, 32-64 Mb RAM, colour monitor, CD-ROM drive, mouse required, 800 x 600 UGA with 256 colours and CD-ROM for installation.

#### Audience

General

**Category:** Student, Teacher Resource

#### Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** Merlan Scientific Ltd.  
247 Armstrong Avenue  
Georgetown, ON L7G 4X6

**Tel:** (905) 877-0171 **Fax:** (905) 877-0929

**Toll Free:** 1-800-387-2474

**Web Address:** www.merlan.ca

**Price:** Provincial Software Brokered Agreement

**ISBN/Order No:** Software: 00120-017408-9401

**Copyright:** 2000



### AutoCAD® LT 2000i

#### General Description:

The comprehensive 2-dimensional CADD program allows drawing of a variety of different objects. The program offers tutorial assistance and Internet support. Drawings can be produced in both metric and imperial units. It is fully compatible with AutoCAD 2000. Files can be saved in a variety of formats. This package needs to be supplemented with software that has 3-dimensional modeling capabilities.

#### System Requirements:

Windows: P133 minimum; 64 Mb RAM; VGA monitor; mouse and printer required.

#### Audience

General

**Category:** Student, Teacher Resource

#### Grade Level:

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** Merlan Scientific Ltd.  
247 Armstrong Avenue  
Georgetown, ON L7G 4X6

**Tel:** (905) 877-0171 **Fax:** (905) 877-0929

**Toll Free:** 1-800-387-2474

**Web Address:** www.merlan.ca

**Price:** Provincial Software Brokered Agreement

**ISBN/Order No:** Software: 05720-017408-7201

**Copyright:** 2000



**Autodesk Inventor 4**

**General Description:**

*Autodesk Inventor* is a state-of-the-art 3D mechanical CADD tool with powerful solid modeling capabilities and an intuitive user interface.

**System Requirements:**

Windows: Pentium II or better, Windows 98, 2000, NT, 256 Mb RAM, 128 Mb RAM minimum on 64, CD-ROM drive, mouse and printer required, 360 hard-drive space minimum.

**Caution:**

Poor layout of tutorial windows; needs to be on one side so the user does not have to constantly move it.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Merlan Scientific Ltd.*

247 Armstrong Avenue  
Georgetown, ON L7G 4X6

**Tel:** (905) 877-0171

**Fax:** (905) 877-0929

**Toll Free:** 1-800-387-2474

**Web Address:** www.merlan.ca

**Price:** Provincial Software Brokered Agreement

**ISBN/Order No:** Software: 20804-018108-4600A

**Copyright:** 2000



**British Columbia Building Code**

**Author(s):** Ministry of Municipal Affairs

**General Description:**

The *British Columbia Building Code* is essential for architectural drafting as it deals with all aspects of residential building design construction.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Government Publication Services*

563 Superior Street  
P.O. Box 9452 Stn Prov Govt  
Victoria, BC V8W 9V7

**Tel:** (250) 387-6409

**Fax:** (250) 387-1120

**Toll Free:** 1-800-663-6105

**Web Address:** www.publications.gov.bc.ca

**Price:** \$120.00

**ISBN/Order No:** QP980795

**Copyright:** 1998



**Caddex AutoCAD® R2000 Resource Library**

**General Description:**

This comprehensive AutoCAD R2000 courseware is in PDF format allowing the teacher to print and photocopy the desired modules and distribute at will under the license agreement. Data files in dwg format are provided for students to use in conjunction with the printed matter.

**System Requirements:** SGA monitor, CD-ROM drive, printer, Adobe Acrobat Reader

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Merlan Scientific Ltd.*

247 Armstrong Avenue  
Georgetown, ON L7G 4X6

**Tel:** (905) 877-0171

**Fax:** (905) 877-0929

**Toll Free:** 1-800-387-2474

**Web Address:** www.merlan.ca

**Price:** \$795.00

**ISBN/Order No:** R2000 Res.Lib.

**Copyright:** 2000



**Canadian Wood-Frame House Construction**

**Author(s):** Kesik, T.

**General Description:**

This 303-page book presents a concise description of Canadian wood-frame house construction. This is a basic framework for learning about and applying wood-frame house construction technology and healthy housing principles. Dual measurements (Imperial with metric in parentheses) are present throughout. Resource is tightly focused on terms, standards, materials, planning, codes, finishes and tables.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Nelson Thomson Learning*  
1120 Birchmount Road  
Scarborough, ON M1K 5G4

**Tel:** 1-800-268-2222      **Fax:** 1-800-430-4445

**Toll Free:** 1-800-268-2222/1-800-668-0671

**Web Address:** www.nelson.com

**Price:** \$25.95

**ISBN/Order No:** 0-660-172941/61010

**Copyright:** 1997



**Chief Architect® 7.0**

**General Description:**

*Chief Architect* is an intuitive, easy-to-learn professional level architectural design software package that allows users to create 2D working drawings as well as 3D views and animations. A text and PDF user's manual are included with tutorials.

**System Requirements:**

Windows: Pentium-II 300 processor or better; Windows 95, NT 4.0, or 98; 150 Mb free of hard disk space; 64 Mb of RAM; CD-ROM drive; a 2-button mouse supported by Windows; a video card with support for Direct 3D (video card with hardware 3D acceleration built-in recommended); if buying a new system, a video card with *OpenGL* acceleration is strongly recommended as *OpenGL* will be used in future versions of *Chief Architect*.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Advanced Relational Technology, Inc.*  
301 North 3rd Street  
Coeur d'Alene, ID 83814

**Tel:** (208) 664-4204      **Fax:** (208) 664-1316

**Toll Free:** 1-800-482-4433

**Web Address:** www.chiefarchitect.com

**Price:** Provincial Software Brokered Agreement

**ISBN/Order No:**

**Copyright:** 2001



**Design Drawing**

**Author(s):** Ching, F. et al.

**General Description:**

Twelve-chapter book and accompanying CD-ROM provide a thorough background in sketching, rendering, designing and drawing instruction techniques. Pictorial references relate to a variety of design fields such as interior design, product design, and architectural design with a particular emphasis on technical illustration. The instructional CD-ROM illustrates a step-by-step approach in constructing a variety of technical illustrations.

**System Requirements:**

Windows: System 3.1 or 95+; 1 Mb of RAM; HD space required 10 Mb; sound card; SVGA; graphics cards, CD-ROM drive; mouse required.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *John Wiley & Sons Canada Ltd.*  
22 Worcester Road  
Etobicoke, ON M9W 1L1

**Tel:** (416) 236-4433      **Fax:** (416) 236-8743

**Toll Free:** 1-800-567-4797

**Web Address:** www.wiley.com

**Price:** \$54.00

**ISBN/Order No:** 0-471-28654-0

**Copyright:** 1997



**Digital Character Animation 2, Volume 1**

**General Description:**

This book resource includes information on basic character design, modeling techniques, skeletons and mesh deformation and focused discussion on the fundamentals of character animation, locomotion and dialogue. This non-software specific resource is excellent for creating and animating digital characters. Concepts explored can be readily applied to any animation or technical visualization presentation.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Pearson Education Canada*  
26 Prince Andrew Place  
Don Mills, ON M3C 2T8

**Tel:** (416) 447-5101 **Fax:** 1-800-563-9196

**Toll Free:** 1-800-387-8028/7851

**Web Address:** <http://www.pearsoned.com>

**Price:** \$50.22

**ISBN/Order No:** 1-56205-930-0

**Copyright:** 1999



**Engineering Drawing and Design (Sixth Edition)**

**Author(s):** Jensen, C. et al.

**General Description:**

This resource provides in-depth material on drafting fundamentals. The student text deals with basic drawing and design; fasteners, materials and forming processes; working drawings and designs; power transmissions; and special fields of drafting. A tutorial CD-ROM is included. An instructor's manual is under development. This edition has incorporated additional information on geometric tolerance and stamping; and includes new CAD features in some chapters, additional drawing and design projects and numerous Internet assignments. Additional ancillary components are available but have not been evaluated. These include: Geometric Tolerancing (student workbook and instructor's manual); Drawing Workbook (supports this text and Fundamentals of Engineering Drawing); a solutions manual for the Drawing Workbook; and an Instructor's Productivity Center (includes CD-ROMs for test banks and student tutorials). Students projects range from simple to complex.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2002

**Supplier:** *McGraw-Hill Ryerson Ltd. (Ontario)*  
300 Water Street  
Whitby, ON L1N 9B6

**Tel:** (905) 430-5000 **Fax:** (905) 430-5194

**Toll Free:** 1-800-565-5758 (orders)

**Web Address:** [www.mcgrawhill.ca](http://www.mcgrawhill.ca)

**Price:** Text with Student Tutorial CD-ROM: \$105.36  
Instructor Productivity Center: \$174.95

**ISBN/Order No:** Text with Student Tutorial CD-ROM: 0-07-826611-4  
Instructor Productivity Center: 0-07-824151-0

**Copyright:** 2002



**Exploring Drafting**

**Author(s):** Walker, J.

**General Description:**

A comprehensive introductory text that teaches drafting fundamentals and basic geometric construction. Supporting components include a teacher resource binder, teacher manual plus student workbook. Step-by-step instructions are given to demonstrate techniques and lead into CADD.

**Caution:**

Although package covers topics well, more advanced subject matter is somewhat lacking for grade 12 students.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Nelson Thomson Learning*  
1120 Birchmount Road  
Scarborough, ON M1K 5G4

**Tel:** 1-800-268-2222 **Fax:** 1-800-430-4445

**Toll Free:** 1-800-268-2222/1-800-668-0671

**Web Address:** [www.nelson.com](http://www.nelson.com)

**Price:** Text: \$72.95  
Teacher's Resource Binder: \$186.50

**ISBN/Order No:** Text: 1-56637-565-7  
Teacher's Resource Binder: 1-56637-568-1

**Copyright:** 2000



**eZediaMX**

**General Description:**

Multimedia software used for the creation, management and delivery of digital media, using either Mac or Windows operating systems. It utilizes and supports a wide range of video, animation, and audio-file formats. Allows students to create multimedia presentations on a limitless number of topics, plus the assembly of student created projects in an electronic portfolio. Intuitive layout includes a manual, tutorials and usable resources.

**System Requirements:**

Windows: An Intel® Pentium® II-class processor, 233 MHz or faster, Windows 98 or NT 4.0/SP5 or later with at least 64 Mb RAM, or Windows 2000 with at least 96 Mb RAM, Sun® Java Runtime Environment (JRE) 1.3 or later (supplied with *eZediaMX*), QuickTime™ 4.1 or later, with QuickTime for Java option (supplied with *eZediaMX*), Microsoft® Speech Libraries (supplied with *eZediaMX*).  
 Macintosh: An Apple® Power Macintosh®, G3/233 or better, Mac OS version 8.1 or later, 64 Mb RAM with Virtual Memory, Macintosh Runtime for Java™ (MRJ) 2.2.x or later (supplied with *eZediaMX*), QuickTime™ 4.1 or later, with QuickTime for Java option (supplied with *eZediaMX*).

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *eZedia, Inc.*

2-396 Assiniboine Ave.  
 Winnipeg, MB R3C 0Y1

**Tel:** (204) 984-9762

**Fax:** (204) 956-4960

**Toll Free:** 1-877-408-0195

**Web Address:** [www.eZedia.com](http://www.eZedia.com)

**Price:** Single copy: \$79.00

Zoom pack 5 (5 work station licenses): \$260.00

Zoom pack 12 (12 work station licenses): \$500.00

Additional work stations or teacher home use copies: \$40.00

**ISBN/Order No:** Not available

**Copyright:** 2000



**Freehand Sketching for Engineering Design**

**Author(s):** Duff, J. et al.

**General Description:**

This text focusses on sketching techniques as they relate to instrument and CADD drafting fundamentals. The layout is consistent with information sections, each followed by subject appropriate exercises.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Nelson Thomson Learning*

1120 Birchmount Road  
 Scarborough, ON M1K 5G4

**Tel:** 1-800-268-2222

**Fax:** 1-800-430-4445

**Toll Free:** 1-800-268-2222/1-800-668-0671

**Web Address:** [www.nelson.com](http://www.nelson.com)

**Price:** \$48.00

**ISBN/Order No:** 0-534-93966-X

**Copyright:** 1995



**Getting Started with 3D: A Designer's Guide to 3D Graphics and Illustration**

**Author(s):** Ashford, J. et al.

**General Description:**

*Getting Started with 3D* is a pictorial overview of the current world of desktop 3D. Topics include an overview of the functions that are included in 3D programs and the kind of images that can be produced, i.e., creating and rendering 3D images. Colour photos and graphics are easy to understand and pleasing to the eye. This book provides information for people who are new to the computer graphics field, who want to know how 3D works, and what kind of images can be created in this medium.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Pearson Education Canada*

26 Prince Andrew Place  
 Don Mills, ON M3C 2T8

**Tel:** (416) 447-5101

**Fax:** 1-800-563-9196

**Toll Free:** 1-800-387-8028/7851

**Web Address:** <http://www.pearsoned.com>

**Price:** \$32.80

**ISBN/Order No:** 0-201-69676-2

**Copyright:** 1998

## APPENDIX B: DRAFTING AND DESIGN 11 AND 12 • *Grade Collections*



### Mechanical Drawing CAD - Communications (Twelfth Edition)

**Author(s):** French, T. et al.

**General Description:**

This package, containing a teacher's resource binder, textbook, and student workbook offers in-depth information on mechanical drafting fundamentals and CADD concepts. Diagrams are clear, interesting and relevant. AutoCAD procedures are incorporated with drafting fundamentals. Student activities are well laid-out with solutions in teacher's binder. Teacher's resource binder gives sample lesson plans, course organization and suggested teaching strategies. It includes a floppy disk with exercises and problems that can be downloaded for student and teacher use.

**Caution:**

Some activities specify AutoCAD 13/CADKEY 7/PC format. Has significant amount of geometry. A number of references specific to the U.S.A. (e.g., American Flag).

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** McGraw-Hill Ryerson Ltd. (Ontario)  
300 Water Street  
Whitby, ON L1N 9B6

**Tel:** (905) 430-5000      **Fax:** (905) 430-5194

**Toll Free:** 1-800-565-5758 (orders)

**Web Address:** www.mcgrawhill.ca

**Price:** Text: \$85.81  
Teacher's Resource Binder: \$158.95

**ISBN/Order No:** Text: 0-02-667958-2  
Teacher's Resource Binder: 0-02-667959-0

**Copyright:** 1997



### National Housing Code of Canada 1998 and Illustrated Guide

**General Description:**

*The National Housing Code of Canada* is a must for any architecture, habitat design course or unit with Drafting and Design 11 and 12. This manual deals with the Canadian building practices and specifications for house construction and, consequently, housing design. Specification (span) tables are created by the National Research Council of Canada. The illustrations complement the code descriptions to give a clear and concise description of the various topics presented.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** National Research Council Canada  
M-24 Montreal Rd.  
Ottawa, ON K1A 0R6

**Tel:** (613) 990-0458      **Fax:** (613) 952-0268

**Price:** \$94.00

**ISBN/Order No:** 0-660-17653-X/NRCC 42803

**Copyright:** 1998



### Orthographic Projection Simplified

**Author(s):** Quinlan, C.

**General Description:**

*Orthographic Projection Simplified* is a self-teaching workbook that introduces the basic principles of orthographic and isometric projection, and thoroughly covers the fundamentals of drafting. It is a good reference for entry level students, but it lacks metric references.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	

**Year Recommended in Grade Collection:** 2001

**Supplier:** McGraw-Hill Ryerson Ltd. (Ontario)  
300 Water Street  
Whitby, ON L1N 9B6

**Tel:** (905) 430-5000      **Fax:** (905) 430-5194

**Toll Free:** 1-800-565-5758 (orders)

**Web Address:** www.mcgrawhill.ca

**Price:** \$23.75

**ISBN/Order No:** 0-02-677320-1

**Copyright:** 1996



**RenderWorks**

**General Description:**

*RenderWorks* is a rendering module that "plugs-into" *VectorWorks*. Users can create photorealistic renderings from within the main drawing area. The program is useful for 3D rendering of 3D objects. This program can run on a Mac platform, as well as on lower-end machines.

**System Requirements:**

Macintosh: System 7.5; 24 Mb of RAM; 75 Mb of hard disk space; colour monitor; SVGA, CD-ROM drive; mouse and printer required.

Windows: System 486; 16 Mb of RAM; 75 Mb of hard disk space; colour monitor; SVGA, CD-ROM drive; mouse and printer required.

**Caution:**

Conventions across various software packages need to be reconciled (e.g., layering conventions may take some getting used to). Nominal tools for mechanical designers, who will find it easier to work in 2D than 3D.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Paxar Technologies Corp*  
2-1002 Goldstream Ave.  
Victoria, BC V9B 2 Y5

**Tel:** (250) 474-8975      **Fax:** (250) 474-8976

**Toll Free:** 1-800-260-0905

**Web Address:** [www.paxar.bc.ca](http://www.paxar.bc.ca)

**Price:** Provincial Software Brokered Agreement

**ISBN/Order No:**

**Copyright:** 2000



**Rhinoceros NURBS Modeling**

**General Description:**

*Rhinoceros* is a 3D NURBS modeling program for use with the Windows OS. It provides a flexible, accurate and fast working environment that allows the user to model and render objects, then export resulting files to other 2D and 3D modeling/animation packages. A user's guide and self-paced tutorial training manual are included in the package.

**System Requirements:**

Windows: Pentium or higher processor; Windows 95/98/NT for Intel or 2K (Rhino will not be ported to any other operating systems); 10 Mb disk space; 64 Mb RAM (more is recommended); no special graphics cards are required— standard Windows accelerator cards will provide the best display performance.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Robert McNeel & Associates*  
3670 Woodland Park Avenue North  
Seattle, WA 98103

**Tel:** (206) 545-7000      **Fax:** (206) 545-7321

**Price:** Lab license (class pack): \$975.00 US  
Single user license: \$195.00 US

**ISBN/Order No:** Lab license (class pack): R11-LAB  
Single user license: R11-E

**Copyright:** 2000



**Robin Williams Design Workshop**

**Author(s):** Williams R. et al.

**General Description:**

This book deals with the design composition of creating graphics for specific types of projects such as business cards, letterhead and envelopes, newsletters and brochures, logos, advertising, etc. It includes working with clip art and photographs and creating visual impact.

**Audience**

General

**Category:** Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Pearson Education Canada*  
26 Prince Andrew Place  
Don Mills, ON M3C 2T8

**Tel:** (416) 447-5101      **Fax:** 1-800-563-9196

**Toll Free:** 1-800-387-8028/7851

**Web Address:** <http://www.pearsoned.com>

**Price:** \$40.17

**ISBN/Order No:** 0-201-70088-3

**Copyright:** 2001



**Solid Edge**

**General Description:**

This comprehensive intuitive solid modeling software package allows users to 3D model consumer products, mechanical and furniture designs. The integrated online tutorials allow users to easily learn the various features along with three user and course texts.

Minimum Windows System Requirements: Intel Pentium or AMD Athlon processor-based PC; Windows NT® 4.0 Service Pack 5, Windows® 2000 Professional, or Windows® 98 Second Edition; 128 Mb RAM; 420 Mb of disk space for installation; Minimum Resolution: 1,024 x 768, 65K colors; CD-ROM (local or network) for installation. Recommended System Configuration: Windows NT 4.0 Service Pack 6, Pentium II or Pentium III or AMD Athlon, 256 Mb or more RAM, OpenGL accelerator with 65K colors.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Unigraphics Solutions Canada*  
2550 Matheson Blvd. E, Suite 130  
Mississauga, ON L4W 4Z1

**Tel:** (905) 212-4500/4553      **Fax:** (905) 212-4502

**Web Address:** [www.ugs.com/global/ca/en/toronto\\_office.shtml](http://www.ugs.com/global/ca/en/toronto_office.shtml)

**Price:** Provincial Software Brokered Agreement

**ISBN/Order No:**

**Copyright:** 2000



**SolidBuilder, Q1 2001**

**General Description:**

A habitat design (architectural) software that uses 3D computer modeling to develop architectural design, renderings and detailed working plans.

System Requirements: color monitor, mouse.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *D. Wong & Associates*  
15732-109th Avenue  
Surrey, BC V4N 4T5

**Tel:** (604) 582-3033      **Fax:** (604) 582-3033

**Price:** \$445.00 (complete pkg.)

**ISBN/Order No:**

**Copyright:** 2001



**VectorWorks 8.5.2**

**Author(s):** Kent, J.

**General Description:**

A comprehensive CADD program that combines 2D drafting and 3D modelling with presentation features, spreadsheet capability and built-in scripting. The *VectorWorks* learning exercises cover the basic concepts of the program; additional tutorials books, that are more comprehensive, can be purchased. The main features of this program are its ability to run on a Mac platform, as well as on lower-end machines. For 3D rendering of solid 3D objects, *RenderWorks* is recommended to accompany *VectorWorks*.

System Requirements:

Macintosh: System 7.5; 24 Mb of RAM; 75 Mb of hard disk space; colour monitor; SVGA, CD-ROM drive; mouse and printer required.

Windows: System 486; 16 Mb of RAM; 75 Mb of hard disk space; colour monitor; SVGA, CD-ROM drive; mouse and printer required.

**Caution:**

Conventions across various software packages need to be reconciled (e.g., layering conventions may take some getting used to). Nominal tools for mechanical designers, who will find it easier to work in 2D than 3D.

**Audience**

General

**Category:** Student, Teacher Resource

**Grade Level:**

K	1	2	3	4	5	6	7	8	9	10	11	12
											✓	✓

**Year Recommended in Grade Collection:** 2001

**Supplier:** *Paxar Technologies Corp*  
2-1002 Goldstream Ave.  
Victoria, BC V9B 2 Y5

**Tel:** (250) 474-8975      **Fax:** (250) 474-8976

**Toll Free:** 1-800-260-0905

**Web Address:** [www.paxar.bc.ca](http://www.paxar.bc.ca)

**Price:** Manual: \$99.00  
Tutorial: \$75.00

**ISBN/Order No:** Manual: 0-9651981-7-0  
Tutorial: 0-9651981-6-2

**Copyright:** 2000