



TECHNICAL VOCATIONAL: COLLISION
REPAIR AND REFINISHING TECHNOLOGY
9-12 Learning Resources

A Reference for Selecting Learning
Resources (February 2015)

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Any websites referenced in this document are subject to change without notice. Educators are advised to preview and evaluate websites and online resources before recommending them for student use.

This resource is available on the Manitoba Education and Advanced Learning website at <www.edu.gov.mb.ca/k12/learnres/bibliographies.html>.

ACKNOWLEDGEMENTS

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INTRODUCTION

Reference for Selecting Learning Resources

TECHNICAL VOCATIONAL: COLLISION REPAIR AND REFINISHING TECHNOLOGY 9-12 LEARNING RESOURCES is a reference tool provided by Manitoba and Advanced Learning to help educators select student and teacher learning resources to support the curriculum. Recommended learning resources may be purchased through the Manitoba Text Book Bureau (MTBB), and many of the titles may be borrowed from the Department's Instructional Resources Unit (Library).

The bibliography is arranged alphabetically by title, followed with indexes. The indexes may include audience, (for example, resource for teachers or resource for students), grade, distributor, category (for example, depth resource), and suggested use.

Learning Resources Reviews

Publishers submit resources for review in response to the Department's request for new learning resources to support provincial curricula. Teachers, nominated by superintendents of school divisions, are selected as teacher-evaluators. Using a collaborative review process, the teacher-evaluators examine the materials according to the resource-selection criteria to make recommendations regarding the suitability of the resources for Manitoba students and teachers.

Resource Selection Criteria

Learning resources are selected based on the basis of their fidelity with the rationale, philosophy, processes, and learning outcomes identified in each curriculum. Four evaluation criteria are used in selecting learning resources:

- **Curriculum Fit/Content/Philosophy:** the degree to which the content and processes of the resource align with the curriculum, thus providing support for curriculum implementation.
- **Instructional Design:** the degree to which the resource provides for multiple approaches to learning, has a wide range of use, is current, and reflects current pedagogical theory and practice.
- **Social Considerations:** the degree to which the resource is free of bias and stereotyping. The resource is examined for Canadian content, the use of culturally diverse examples, and accurate portrayal of First Nations, Inuit, and Métis peoples. Cautionary notes are added to alert teachers to potentially sensitive curriculum-fit issues or potential community concerns related to the resource.
- **Technical Design:** the degree to which the resource is visually appealing and has a logical and consistent form.

When selecting learning and teaching resources, teachers should consider how the resources meet the learning requirements of students, the perspectives of the student population, and local decisions related to the delivery of potentially sensitive content.

Terms and Definitions

The following terms and definitions are used to describe the learning resources:

- **Breadth:** identifies learning resources that address a wide range of student learning outcomes for a particular grade.
- **Depth:** identifies learning resources that provide effective learning experiences in greater detail for a narrower grouping of student learning outcomes.
- **Breadth and Depth:** identifies comprehensive learning resources that provide both breadth and depth dimensions for an extensive grouping of student learning outcomes.
- **Teacher Reference:** identifies resources that assist teachers in implementing the curriculum, including background information for teacher use; may identify teaching suggestions and learning activities.
- **Teacher Guide:** identifies a separate guide for teachers or a teacher's edition of a **Student Text**.

Purchase of Learning Resources

The learning resources described in the bibliography are available for purchase through the *Manitoba Text Book Bureau Catalogue of Learning Resources*. For information or assistance regarding the purchase of learning resources, contact:

The Manitoba Text Book Bureau (MTBB)

Box 910

Souris, MB R0K 2C0

Toll free: 866-771-6822 (Manitoba and Saskatchewan)

Telephone: 204-483-5040

Fax: 204-483-5041

Email: mtbb@gov.mb.ca

Online catalogue: <<http://www.mtbb.mb.ca>>

Borrowing Recommended Learning Resources

Most of the learning resources listed in the bibliographies are available to Manitoba educators through the Manitoba Education Library, located at 1181 Portage Avenue in Winnipeg.

The Education Library ships materials province-wide.

Search for recommended learning resources in the Education Library's online catalogue:

<http://library.edu.gov.mb.ca>

To learn more about the Education Library's services, visit the home page:

<http://www.edu.gov.mb.ca/k12/mel>

Contact Information:

For registration questions or information about your account, please contact:

204-945-5371

Toll Free: 1-800-592-7330

irucirc@gov.mb.ca

For help with searching or selecting Library materials, please contact:

204-945-7830

Toll Free: 1-800-282-8069 x.7830

iruref@gov.mb.ca



TITLES & DESCRIPTIONS

All Data Collision

Publisher: All Data LLC

Audience: Teacher, Student

Distributor: All Data LLC

Suggested Use(s): Electronics

Year: 2014

Pagination: unpaginated

Format: Web-Based Resource

Date Recommended: January 26, 2015

Subject/Grade

	K	1	2	3	4	5	6	7	8	9	10	11	12
Collision Repair & Refinishing Technology										✓	✓	✓	✓

All Data is a shop management and industry tool that covers some of the Manitoba curricular goals for Collision and Refinishing Repair. It is recommended as a student and teacher supplementary resource providing automotive OEM (Original Equipment Manufacturer) information, as well as vehicle manufacturers' diagnostic and repair information. Available online 24/7 and automatically updated, the database offers service information covering more than 33,000 engine-specific vehicles, including models sold exclusively in Canada. Repair procedures, diagrams and Technical Service Bulletins are specific to each vehicle for factory-correct repairs that meet manufacturer standards.

This product is not a stand alone Technical Service Data tool as it does not include automotive body repair times or panel parts numbers (in U.S. pricing only). It would be useful in a collision shop to identify construction materials, create inspection sheets, for manufacturers sectioning procedures, component replacement information as well as measurement and vehicle dimension support.

Auto Collision Repair and Refinishing

Publisher : Goodheart-Willcox Publisher

Subject / Grade

	K	1	2	3	4	5	6	7	8	9	10	11	12
Collision Repair & Refinishing Technology										✓	✓	✓	✓

This comprehensive student and teacher resource covers all of the grade 9-12 Manitoba curriculum goals. The student text presents both the theoretical and practical aspects of collision repair and refinishing in an easy-to-understand manner. It includes information on structural repair, non-structural repair, mechanical and electrical repair, refinishing, and estimating.

It features detailed chapters on mechanical systems that allow you to recognize and repair common mechanical damage. It also has an extensive estimating chapter with good instruction. The full photographs and illustrations enhance student understanding as they have a current appearance and have a recognizable up-to-date feel. Another disc provides the ExamView Assessment Suite which allows teachers to quickly create, administer and score paper or online test. It includes the ExamView Test Generator, Test Manager, and Test Player. The 35 test banks have in excess of 1750 questions from which to draw.

The Instructor's Resource CD has PDF's of correlation charts, competency checklist, answer keys, and an annotated workbook. It also includes customizable daily lesson plans in Word format. The Instructor's Presentations for PowerPoint contains chapter presentations, chapter objectives, and key concepts. The resources support each other nicely and the information follows the flow of repair sequences used in a modern collision repair shop.

Auto Collision Repair and Refinishing (Student Text)

Author(s):	Michael Crandell	Audience:	Teacher, Student
Year:	2014	Suggested Use(s):	Science, Mathematics, English Language Arts, Health Education
Pagination:	880 p		
ISBN:	978-1-61960-387-5		
Format:	Print		
Publisher:	Goodheart-Willcox Publisher	Date Recommended:	January 26, 2015
Distributor:	Oxford University Press		

Auto Collision Repair and Refinishing: ExamView Assessment Suite

Author(s):	Michael Crandell	Audience:	Student, Teacher
Year:	2014	Suggested Use(s):	Science, Mathematics, English Language Arts, Health Education
Pagination:	unp.		
ISBN:	978-1-6190-369-7		
Format:	DVD		
Publisher:	Goodheart-Willcox Publisher	Date Recommended:	January 26, 2015
Distributor:	Oxford University Press		

Auto Collision Repair and Refinishing: Instructor's Annotated Workbook

Author(s):	Michael Crandell	Audience:	Teacher, Student
Year:	2014	Suggested Use(s):	Science, Mathematics, English Language Arts, Health Education
Pagination:	315 p		
ISBN:	978-1-61960-393-6		
Format:	Print		
Publisher:	Goodheart-Willcox Publisher	Date Recommended:	January 26, 2015
Distributor:	Oxford University Press		

Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint: Individual License

Author(s):	Michael Crandell	Audience:	Student, Teacher
Year:	2014	Suggested Use(s):	Science, Mathematics, English Language Arts, Health Education
Pagination:	unp.		
ISBN:	978-1-61960-397-4		
Format:	DVD		
Publisher:	Goodheart-Willcox Publisher	Date Recommended:	January 26, 2015
Distributor:	Oxford University Press		

Auto Collision Repair and Refinishing: Instructor's Resource CD

Author(s):	Michael Crandell	Audience:	Student, Teacher
Year:	2014	Suggested Use(s):	Science, Mathematics, English Language Arts, Health Education
Pagination:	unp.		
ISBN:	978-1-61960-395-0		
Format:	CD-ROM		
Publisher:	Goodheart-Willcox Publisher	Date Recommended:	January 26, 2015
Distributor:	Oxford University Press		

Auto Collision Repair and Refinishing: Workbook

Author(s):	Michael Crandell	Audience:	Teacher, Student
Year:	2014	Suggested Use(s):	Science, Mathematics, English Language Arts, Health Education
Pagination:	unp.		
ISBN:	978-161960392-9		
Format:	Print		
Publisher:	Goodheart-Willcox Publisher	Date Recommended:	January 26, 2015
Distributor:	Oxford University Press		

Autobody Repair Technology: 5th Edition

Publisher : Nelson Education Ltd.

Subject/Grade

	K	1	2	3	4	5	6	7	8	9	10	11	12
Collision Repair & Refinishing Technology										✓	✓	✓	✓

This resource covers all of the learning outcomes in the Manitoba grade 9-12 Collision Repair and Refinishing Technology curriculum. The student text flows in an order like a collision damaged vehicle would flow through its repair process in a shop, from vehicle construction to detailing. Safety is emphasized throughout the text. Illustrations and artwork support student understanding as they learn how to properly repair and repaint vehicles. Of note are chapters on careers and vehicle construction. The glossary of terms is a valuable quick reference tool and is available in Spanish.

The teacher's guide is clear and well organized. The answer key references the pertinent portions of the student text for easy reinforcement. Power point presentations are useful and align with the student text. Exam View is also available. The student manual provides activities for the acquisition of specific skill sets in the areas of: using body filler, working sheet metal, estimating repair costs, refinishing procedures, etc.

Autobody Repair Technology: 5th Edition

Author(s):	James E. Duffy	Audience:	Student, Teacher
Edition:	5th Edition	Suggested Use(s):	Visual Arts, Mathematics, English Language Arts, Health Education
Year:	2009		
Pagination:	1034 p		
ISBN:	978-1-4180-7353-4		
Format:	Print		
Distributor:	Nelson Education Ltd.	Date Recommended:	January 26, 2015

Autobody Repair Technology: Student Technician's Manual: 5th Edition

Author(s):	James E. Duffy, Paul Uhrina	Audience:	Teacher, Student
Edition:	5th Edition	Suggested Use(s):	Visual Arts, Mathematics, English Language Arts, Health Education
Year:	2009		
Pagination:	465 p		
ISBN:	978-1-4180-7354-1		
Format:	Print		
Distributor:	Nelson Education Ltd.	Date Recommended:	January 26, 2015

A U D I E N C E

Student

All Data Collision

Auto Collision Repair and Refinishing

Auto Collision Repair and Refinishing (Student Text)

Auto Collision Repair and Refinishing: ExamView Assessment Suite

Auto Collision Repair and Refinishing: Instructor's Annotated Workbook

Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint: Individual License

Auto Collision Repair and Refinishing: Instructor's Resource CD

Auto Collision Repair and Refinishing: Workbook

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: Student Technician's Manual: 5th Edition

Teacher

All Data Collision

Auto Collision Repair and Refinishing

Auto Collision Repair and Refinishing (Student Text)

Auto Collision Repair and Refinishing: ExamView Assessment Suite

Auto Collision Repair and Refinishing: Instructor's Annotated Workbook

Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint: Individual License

Auto Collision Repair and Refinishing: Instructor's Resource CD

Auto Collision Repair and Refinishing: Workbook

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: Student Technician's Manual: 5th Edition

GRADE

Grade 9

All Data Collision

Auto Collision Repair and Refinishing

Auto Collision Repair and Refinishing (Student Text)

Auto Collision Repair and Refinishing: ExamView Assessment Suite

Auto Collision Repair and Refinishing: Instructor's Annotated Workbook

Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint: Individual License

Auto Collision Repair and Refinishing: Instructor's Resource CD

Auto Collision Repair and Refinishing: Workbook

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: Student Technician's Manual: 5th Edition

Grade 10

All Data Collision

Auto Collision Repair and Refinishing

Auto Collision Repair and Refinishing (Student Text)

Auto Collision Repair and Refinishing: ExamView Assessment Suite

Auto Collision Repair and Refinishing: Instructor's Annotated Workbook

Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint: Individual License

Auto Collision Repair and Refinishing: Instructor's Resource CD

Auto Collision Repair and Refinishing: Workbook

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: Student Technician's Manual: 5th Edition

Grade 11

All Data Collision

Auto Collision Repair and Refinishing

Auto Collision Repair and Refinishing (Student Text)

Auto Collision Repair and Refinishing: ExamView Assessment Suite

Auto Collision Repair and Refinishing: Instructor's Annotated Workbook

Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint: Individual License

Auto Collision Repair and Refinishing: Instructor's Resource CD

Auto Collision Repair and Refinishing: Workbook

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: Student Technician's Manual: 5th Edition

Grade 12

All Data Collision

Auto Collision Repair and Refinishing

Auto Collision Repair and Refinishing (Student Text)

Auto Collision Repair and Refinishing: ExamView Assessment Suite

Auto Collision Repair and Refinishing: Instructor's Annotated Workbook

*Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint:
Individual License*

Auto Collision Repair and Refinishing: Instructor's Resource CD

Auto Collision Repair and Refinishing: Workbook

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: Student Technician's Manual: 5th Edition

SUGGESTED USE

Electronics

All Data Collision

English Language Arts

Auto Collision Repair and Refinishing

Auto Collision Repair and Refinishing (Student Text)

Auto Collision Repair and Refinishing: ExamView Assessment Suite

Auto Collision Repair and Refinishing: Instructor's Annotated Workbook

Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint: Individual License

Auto Collision Repair and Refinishing: Instructor's Resource CD

Auto Collision Repair and Refinishing: Workbook

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: Student Technician's Manual: 5th Edition

Health Education

Auto Collision Repair and Refinishing

Auto Collision Repair and Refinishing (Student Text)

Auto Collision Repair and Refinishing: ExamView Assessment Suite

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Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint: Individual License

Auto Collision Repair and Refinishing: Instructor's Resource CD

Auto Collision Repair and Refinishing: Workbook

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: Student Technician's Manual: 5th Edition

Mathematics

Auto Collision Repair and Refinishing

Auto Collision Repair and Refinishing (Student Text)

Auto Collision Repair and Refinishing: ExamView Assessment Suite

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Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint: Individual License

Auto Collision Repair and Refinishing: Instructor's Resource CD

Auto Collision Repair and Refinishing: Workbook

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: Student Technician's Manual: 5th Edition

Science

Auto Collision Repair and Refinishing

Auto Collision Repair and Refinishing (Student Text)

Auto Collision Repair and Refinishing: ExamView Assessment Suite

Auto Collision Repair and Refinishing: Instructor's Annotated Workbook

Auto Collision Repair and Refinishing: Instructor's Presentations for PowerPoint: Individual License

Auto Collision Repair and Refinishing: Instructor's Resource CD

Auto Collision Repair and Refinishing: Workbook

Visual Arts

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: 5th Edition

Autobody Repair Technology: Student Technician's Manual: 5th Edition

D I S T R I B U T O R D I R E C T O R Y

Resources in this bibliography can be purchased through the Manitoba Text Book Bureau (MTBB).

MTBB The Manitoba Text Book Bureau

Box 910

Souris, MB R0K 2C0

Toll free: 866-771-6822 (Manitoba and Saskatchewan)

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Fax: 204-483-5041

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Online catalogue: <http://www.mtbb.mb.ca>

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www.nelson.com

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8 Sampson Mews, Suite 204

Don Mills ON M3C 0H5

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Fax: (416) 444-0427

<http://www.oupcanada.com>