



ARPT 1143: Spray Guns and Equipment

EFFECTIVE DATE

DEPARTMENT

Automotive Refinish Prep - Voc
DESCRIPTION

During this course students learn the safe operation of all shop equipment and their functions, including spray gun cleaning, maintenance and application techniques. This course is part of the full-time Automotive Refinishing Prep Technician, Automotive Refinishing Prep Technician - High School Programs

CREDITS

1.0

YEAR OF STUDY

1st Year Post-secondary

PREREQUISITES

None

COREQUISITES

None

COURSE LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

- Identify and describe the function of the spray booth components.
- Identify and explain air filters and arrestors
- Explain pre-paint preparation of the spray booth
- Identify and describe the various types of air compressors
- Identify and explain the function of air compressor components
- Explain and perform air compressor maintenance
- Identify and explain air transformer functions
- Identify and describe air hoses and fittings
- Describe safe work practices when using air hoses and fittings
- Perform safety inspections of air transformers, air hoses and fittings
- Identify and explain the functions of the components of a spray gun
- Dismantle, clean and reassemble a spray gun

- Test for spray gun performance
- Identify and explain the use of the various spray guns
- Describe the safety procedures used when working with a spray gun
- Use spray guns
- Identify and explain spray gun air controls, fluid control and spreader control
- Set-up, test and clean up of various spray guns
- Describe spray gun problems
- Describe corrective spray gun problems
- Set up spray guns for optimal performance

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 17

Other: 8

INSTRUCTIONAL STRATEGIES

Instructional strategies include: Lectures, demonstrations, case studies, assigned homework, group work, individual work, field trips, and project work in an authentic shop environment.

GRADING SYSTEM

Percentages-ITA

PASSING GRADE

70%

Other	15	Observable active participation and team work
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COURSE TOPICS

- Spray Booths
- Air Compressor Use and Care
- Use and Care of Transformers and Hoses
- Spray Gun Types
- Spray Gun Parts
- Using the Spray Gun
- Spray Gun Remedies and Problems

LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

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