Automotive Vocational Education & Training
Online Learning

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Introduction and overview
Agenda

- Pedagogical skills
- Competency Based Training
- Training Delivery
- Assessment
- Online teacher training
- Summary
Pedagogical Skills – Online Learning

- Cater for a range of learning styles – people learn in different ways

- A number of theories on learning styles

![Diagram showing visual, aural, and kinesthetic learning styles]
• Visual
  • Learn through seeing
  • e.g. looking at diagrams

• Aural
  • Learn through hearing and speaking
  • e.g. group discussion

• Kinesthetic
  • Learn through touching and doing
  • e.g. conducting experiments
  • *Use a range of activities*
Pedagogical Skills cont.

- Confirm the level of your learners – don’t assume
Pedagogical Skills cont.

- Provide opportunities to practice and apply new knowledge and skills
Pedagogical Skills cont.

- Structure learning from lower order to higher order cognitive skills - simple to more difficult
Pedagogical Skills cont.

- Reinforce difficult concepts and skills
Pedagogical Skills cont.

- Address Learning, Literacy and Numeracy requirements of the learners

- Use simple language
- Glossary of terms
Pedagogical Skills cont.

- Motivate and engage learners
Pedagogical Skills cont.

- Provide continual feedback to learners on their progress
Pedagogical Skills cont.

- Evaluating learning materials and assessment tools and making required adjustments
Competency Based Training

- Competency Based Training and Assessment is focused on what a person can do at work.
Competency Based Training

- Competency Based Training the learning outcomes are made up of three elements:
  - Skills
  - Knowledge
  - Attributes

- The learning outcomes are described in measurable terms
Competency Based Training

Units of competency are based on industry standards

Delivery and Assessment methods determined by Individual Teachers / Trainers and or Training Organisations
Delivery

- Variety in learning materials and activities addressing different learning styles
- Keep sessions / activities short
- Focus on the “must know”
- Develop and use good questioning techniques
- Reinforcement of new skills / concepts – Revision
Delivery

• Include strategies to motivate learners
• Provide feedback frequently
• Seek feedback from learners regarding delivery and assessment activities
• Schedule sessions for individual / small group support and follow up
• Reflect on teaching, learning and assessment
Assessment

- Competency Based Assessment a learner is measured against an industry standard or units of competency
Assessment - Principles

- Four principals of assessment
  - Fair – Learners are not disadvantaged by the assessment
  - Valid – All the requirements of the competency are assessed
  - Reliable – Other assessors will get the same result
  - Flexible – Tool can be used in different contexts
Assessment Evidence Rules

• Must adhere to the rules of evidence
• Valid – Includes a range of evidence collection methods
• Sufficient – There is enough evidence (quality and quantity) to satisfy competence judgement
• Current – Evidence is from present or recent past
• Authentic - Is the learners own work
Assessment

- Develop a variety of assessment tools and methods
- Expectations of the learner performance are clear
- Formative assessment
- Summative assessment
- Skills assessment practical in nature
Simulated Workplace Assessment

- Actual or simulated workplace applications

- Simulated Workplaces are equipped workshops – usually located in the training facility - and are used to undertake practical training and practical assessments
Online Teacher Training

- The IST is a proven program which lends itself to the developing the delivery and assessment skills of teachers in the online environment in a blended learning model.
Online Teacher Training

- Individual sessions delivered via zoom or similar focussing on specific aspects of teaching and assessing online.

  A similar model to the IST would also be effective.

  Consultation with teachers regarding their needs is important.

  Some examples could include:
  - Identifying different learning styles and developing strategies and activities to address differences.
  - Developing techniques for applying and practising newly acquired skills and knowledge.
Online Teacher Training

- Developing questioning techniques
- Interpreting competency documents and industry standards
- Developing assessment tools
Summary

- Good pedagogical skills apply to all types of training delivery and assessment especially online delivery
- Flexibility in approach
- Learners are individuals with different learning needs and styles
- Use variety in learning activities and assessments
Summary cont.

- Develop strategies to motivate and engage learners
- Include strategies to identify and address Learning, Literacy and Numeracy needs of learners
- Develop networks with peers share ideas and resources
• Thank You!
Any questions