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# Automotive Vocational Education & Training Online Learning

August 6, 2020

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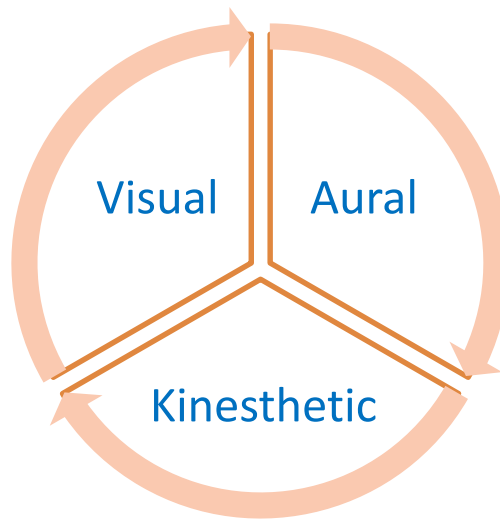
# Introduction and overview

# 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

# VAK

- 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.

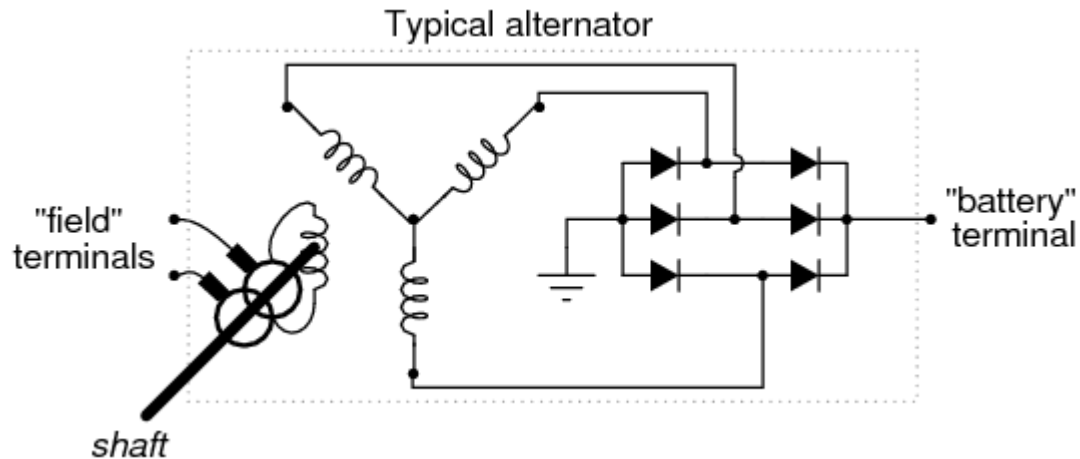
- Structure learning from lower order to higher order cognitive skills - simple to more difficult





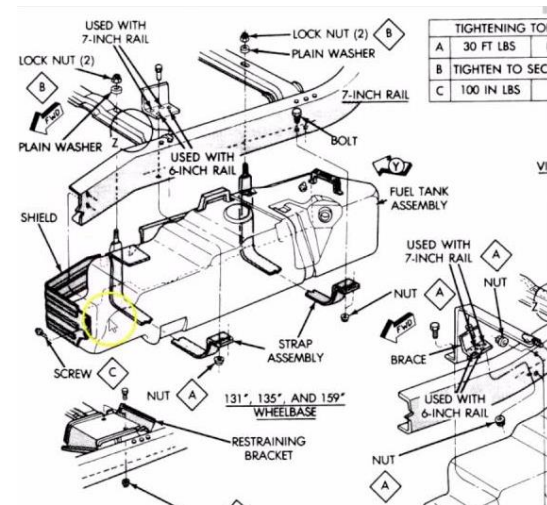
# Pedagogical Skills cont.

- 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

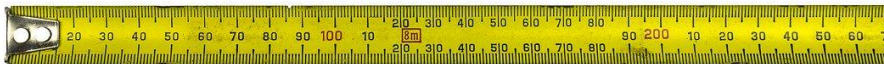


# Competency Based Training

- Competency Based Training and Assessment is focussed 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!

# Questions?

*Any questions*