



# Apply Scientific Principles to Practical Vapour Compression

PRESENTATION OF THE PROJECTX-FINAL LEVEL 1.



The learner can:

- Describe the function of an evaporator as defined by the pressure enthalpy chart
- Distinguish on a typical DX evaporator the importance of the areas of latent and sensible heat using the pressure enthalpy chart as a reference
- Describe the function of a condenser as defined by the pressure enthalpy chart
- Distinguish on an air-cooled condenser the importance of the areas of latent and sensible heat using the pressure enthalpy chart as a reference
- Describe the function of a compressor as defined by the pressure enthalpy chart
- Describe the impact of superheat at the compressor inlet
- Describe the function of a metering device as defined by the pressure enthalpy chart





Photographs showing pipework being prepared for the units



Technician providing support for lecturers and students





Bays for unit installation and a classroom situation for theory lessons

