INSTRUCTIONS
Include sketches, diagrams and notes in your answers.

MECHANISMS - INTERACTIVE KNOWLEDGE MAP

START YOUR TRAINING

1. DESCRIBE 4 TYPES OF MOTION
2. WHAT IS A CAM?
3. SKETCH AND NAME 4 CAM PROFILES
4. SKETCH AND DESCRIBE A PRACTICAL APPLICATION OF A SNAIL CAM

5. HOW DOES AN ECCENTRIC CAM WORK?
6. WHAT IS A LINEAR CAM?
7. HOW DOES A CRANK AND SLIDER WORK?

8. WHEN COULD A RATCHET MECHANISM BE USEFUL?
9. HOW COULD THE FIREMAN 'LIFT' WATER FROM A RIVER, TO PUT OUT THE FIRE?
10. SKETCH AND DESCRIBE 4 LINKAGE MECHANISMS
11. HOW COULD A TREADLE MECHANISM BE USED?

12. SKETCH AND DESCRIBE A MECHANISM SUITABLE FOR A TOOL BOX
13. DRAW A DEVICE THAT HELPS THE FIRE DEPARTMENT REACH FIRES

14. DESCRIBE AND SKETCH 3 TYPES OF SPRING
15. DESCRIBE AND SKETCH A PRACTICAL APPLICATION OF SPRINGS