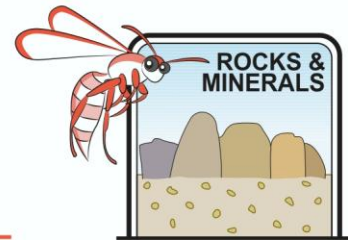


Landslide Preparation – Teacher Notes



In the Great Dividing Range snow falls in the high mountains. Avalanches can threaten skiers. What might trigger an avalanche? **Rain. Snow melt. Skiers or climbers clambering across the slope destabilising it. People rolling rocks down the slopes.**

SAFETY: What would you do if you were in charge of safety at a granite mountain climbing resort?

HINT In the oil and gas industry, personnel are trained to use the “Bow tie” approach:

- 1. Spot the HAZARD.**
- 2. Take measures both physical and behavioural to prevent the event that the hazard might have caused (TRAINING).**
- 3. MITIGATE effects of the event if it occurs.**
- 4. Have a successful outcome**

(The third step is necessary because humans can make serious mistakes when distracted).

- Test different rocks for their signature angles of repose
- Monitor slopes and inform people when they may be unstable
- Place notices to make people aware of landslip dangers and what to do if one occurs
- Train climbers to be aware of landslip danger
- Have a landslip plan prepared and accessible
- Regularly train rescue groups
- Keep up to date with the latest information
- Take out personal insurance