

Thinking Hard Devices

Thinking hard is a key part of the learning process.

Changing the type of activity or task is a useful way of increasing the level of challenge for learners.

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|  | | Possible Activities |
| Knowledge & Understanding | 1.Reduce | * Record the main bullet points * Write a summary * Write a heading which sums up the content |
| 2.Transform | Change the information into:   * Images, Diagrams, Charts, Tables * Music, Poetry, Performance |
| 3.Deconstruct | * Split information into sections * Create headings * Highlight key terms, phrases, quotes etc |
| 4.Derive | Explore the information by asking yourself:   * What is the key message / hidden message? * Why did things happen? * What questions need to be asked? |
| Analysis & Application | 5.Prioritise | * Rank things in order of importance * Select the most important element * Justify how you reached the decision |
| 6.Categorise | * Find common elements * Create groups * Describe characteristics for belonging to each group |
| 7.Criticise | * Give your opinion * Have a debate * Find conflicting evidence |
| 8.Trends and patterns | * Seek out key information / data * Organise it on a timeline * Describe any common changes |
| 9.Practise | * Repeat an activity * Complete a partial example * Explain a completed example |
| Flexibility of Thinking | 10.Make connections | * Identify key elements * Draw links between elements * Describe relationships between elements |
| 11.Compare | * Find similarities * Find differences * Describe the impact of it being the same or different |
| 12.Extend | * Finish a sentence, sequence, equation, image * Add your own opinion * Write the next paragraph |