**The Neuroscience of Learning I**

**Dr Andrew Curran**

*Twelve Pre-video Questions*

1. What does the brain weigh?
2. How many nerve cells are in a human brain?
3. By the age of 25, how many connections has each cell made?
4. Neurologically speaking, what is learning?
5. What is the most primitive part of our brain called?
6. Why is our brain c-shaped?
7. What is the role of our temporal lobe?
8. How many hominid species have there been in the last 4.5 million years?
9. How much of our DNA do we share with Neanderthals?
10. How much of our brain do we use, even doing nothing?
11. Why is dopamine important?
12. What is the impact of noradrenaline on our well-being?
13. What four-letter word is all we need?!

*Five Post-video Tasks*

1. Name ten emotions you felt when being taught by your best-ever teacher. Share.
2. If you were to survey your own students for how many of these emotions they experience with you and to what extent, what might they say?
3. What could you do differently to improve your scores on any of these emotional responses?
4. What could the school do differently to improve these scores?
5. How do your students regularly experience ‘reward and the anticipation of reward’?