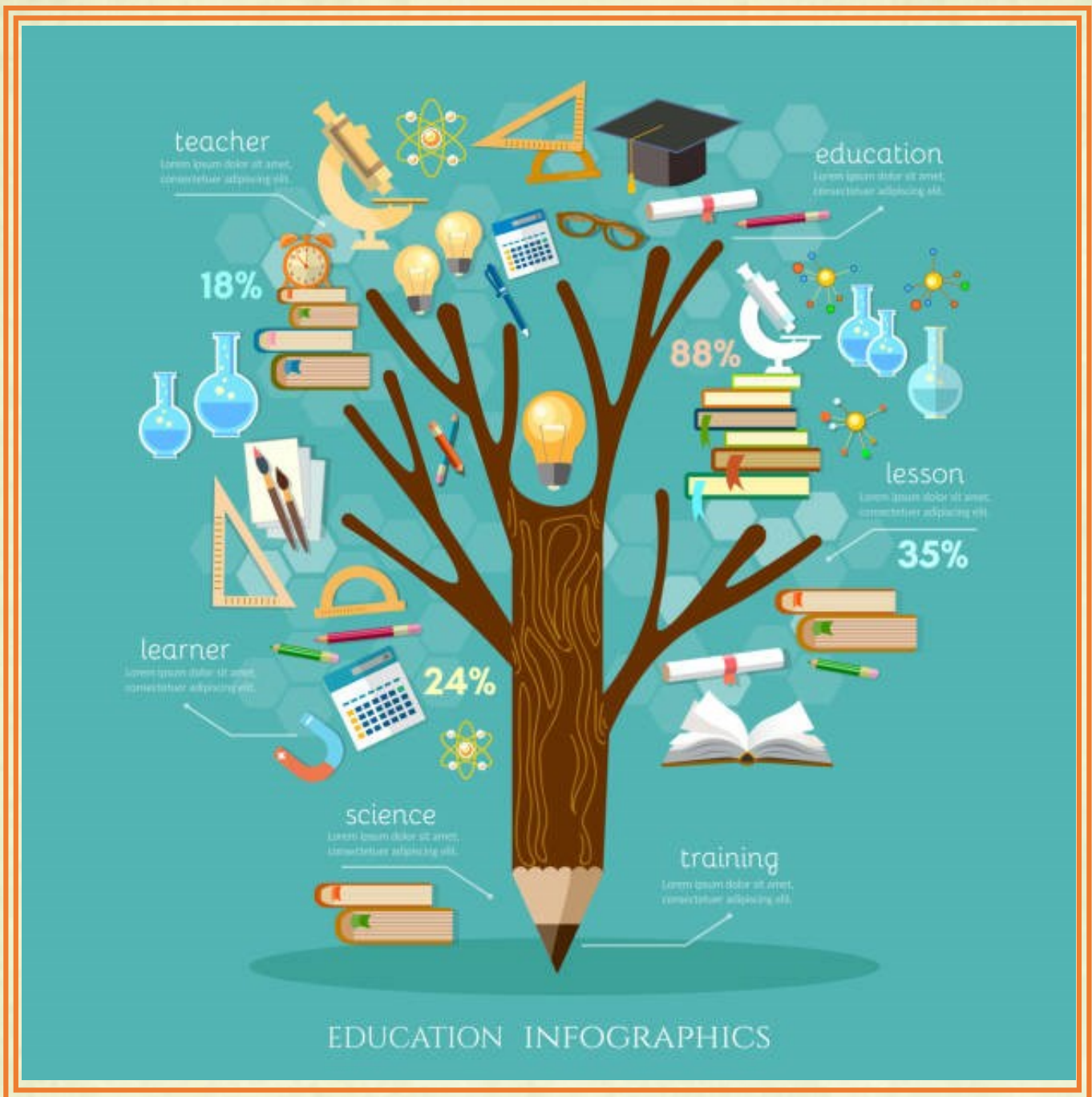


What Variables Have the Greatest Influence on Student Achievement?



John Hattie, an educational researcher, has conducted a series of meta-analyses over the past several decades to determine what variables have the greatest influence on student achievement. Hattie's [Visible Learning Meta-site](#) (Corwin, n.d.) is the largest global online database of what works best in education. Powered by the Visible Learning research, the site represents more than 1,850 meta-analyses comprising more than 108,000 studies involving more than 300 million students around the world.

More than 320 factors that influence student achievement have been identified. An “effect size,” the measure of the magnitude of an experimental effect, was calculated for each. The average effect size was 0.4, which represents an (average) year's growth per year of schooling for a student.

The factors have been categorized into one of nine domains:

- Student
- Home
- School
- Classroom
- Teacher
- Curricula
- Student Learning Strategies
- Teaching Strategies
- Technology, School, and Out-Of-School Strategies

The Visible Learning research provides evidence for educators in identifying which practices and strategies have the greatest impact on student achievement. As schools transition to standards-based learning, this resource will serve to inform instructional decisions. (Additional information regarding instruction in a standards-based system can be found [here](#).)

There are several additional resources that provide instructional taxonomies aligned to cognitive demand:

[Marzano Instructional Strategies](#)

[McTighe Instructional Strategies](#)

[Hattie Instructional Strategies](#)

Reference

Corwin. (n.d.). *Visible learning meta*×.
<https://www.visiblelearningmetax.com/>