

# How to have an effect on student achievement

Based on the research by Professor John Hattie and Visible Learning<sup>plus</sup> team

Discover more on John Hattie's research and find out how you can utilise the full weight of the programme in your school.

Osiris Educational is the exclusive partner for Visible Learning<sup>plus</sup> in the UK. See John Hattie and find out why so many are calling him the educational guru.

## 6 Top Effects and why they work

**Self-reported grades / student expectations** (Rank 1, Effect Size 1.44)

Students predict or self-report their own grades. This means they are more likely to be successful than other learners as they will be the active element in their learning.



**Teacher credibility** (Rank 4, Effect Size 0.90)

Students are perceptive to which teachers can make a difference to their learning. Teachers who command this credibility are more likely to make a difference.

**Feedback** (Rank 10, Effect Size 0.75)

Speed of learning doubles following effective feedback. Praise, punishment and rewards are the least effective forms of feedback. Feedback should be just in time, 'just for me' information and delivered when and where it has the best benefit.

## 6 Bottom Effects that are not as effective

**Principals / School Leaders** (Rank 73, Effect Size 0.39)



There is a difference in the effectiveness of the two main types of leaders; instructional leaders are focused on creating a learning environment free of disruption or system. Transformational leaders engage with staff to inspire them to be collaborative.

**Homework** (Rank 94, Effect Size 0.29)

Homework on a whole has a slightly positive effect but there are some differences between its effect on primary and secondary students.

- Details about homework effectiveness
1. Student attitude to homework is not related to grade
  2. Short periods of time are better for primary students
  3. The nature of homework makes a difference - greater positive effects from homework can be seen in maths
  4. The effects are greater for higher rather than lower ability students
  5. Ideas to maximise the effect of homework for primary students
    1. Keep it brief (no longer than 5 mins)
    2. Make it relevant to the work/topic covered in class that day
    3. Mark it

**Class size** (Rank 113, Effect Size 0.21)

Class size has little effect on learning, though does affect working conditions. Teaching strategies should be maximised in small and large groups and applied respectively.

