

Re-Updating the Pipeline: MATH

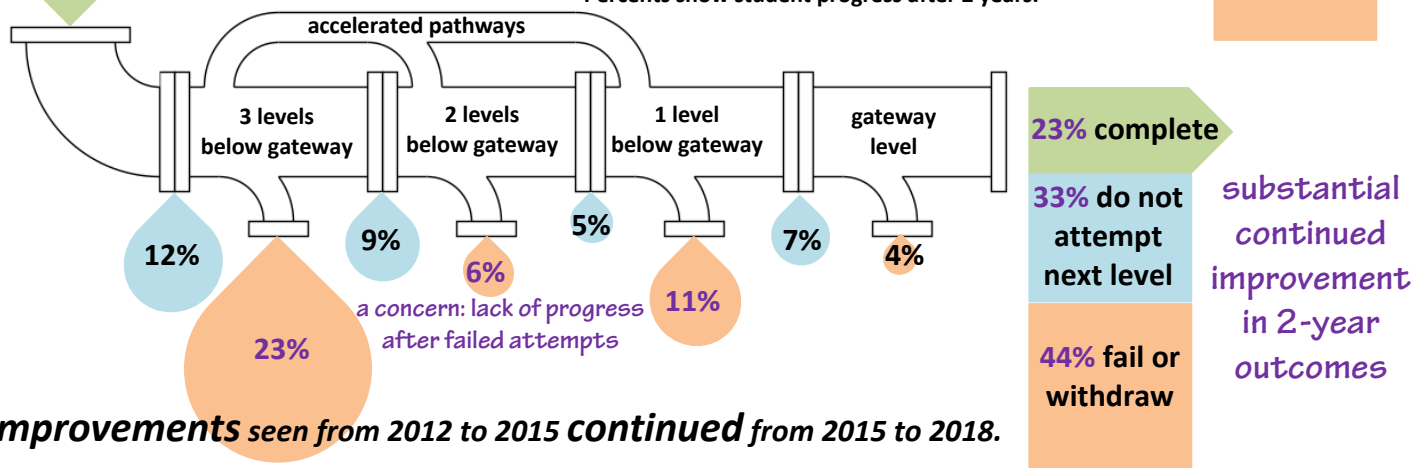
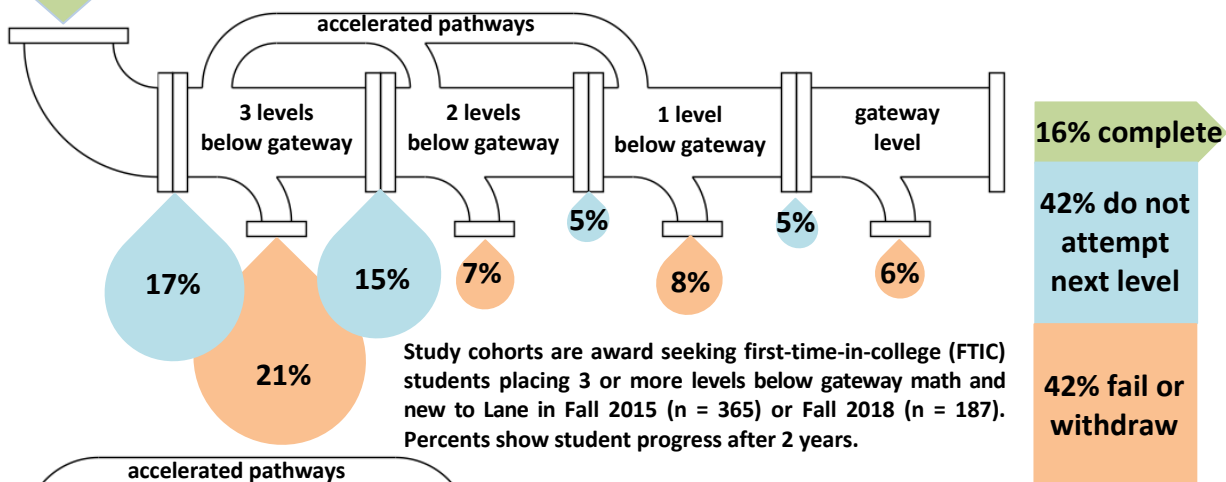
FALL 2015
New students placing 3 or more levels below gateway math (29% of award seeking FTIC) are tracked for 2 years.

Remember the Leaky Pipeline? TIPSS #6 tracked students with low initial math placements to show how attrition due to non-attempts and failed attempts led to a 2-year gateway pass rate of only 8%. Three years later, [TIPSS #25](#) showed solid improvements: **The 2-year gateway pass rate doubled from 8% to 16%. Attrition due to non-attempts fell from 60% to 42%.**

After three more years, what do the latest data show?

Latest Data

FALL 2018
New students placing 3 or more levels below gateway math (13% of award seeking FTIC) are tracked for 2 years.



Improvements seen from 2012 to 2015 continued from 2015 to 2018.

Math pathways appear to have been transformed with very positive effects for low-placing students.

- The 2-year gateway math completion rate for low-placing students increased from 8% to 16% to 23%.
- The percentage of students not progressing after failure (orange boxes) rose from 32% to 42% to 44%.
- The percentage not progressing due to not attempting (blue boxes) fell faster from 60% to 42% to 33%.
- The percentage who never attempted math in 2 years also continued to decline, from 25% to 17% to 12%.
- Of particular significance: outcomes for low-placing students continued to improve even as the percentage of students receiving low placements continued to fall, from 46% to 29% to 13%.

In 2012, almost half (46%) of new students placed three or more levels below gateway math. In 2018, this was reduced to fewer than 1 in 7 new students (13%). Remarkably, 2018's lowest placing 13% completed gateway math in 2 years at nearly triple the rate (23% completed) compared to 2012's lowest placing 46% (8% completed).