## **Boosting Student Success** with Multimedia Assessments

Students' average Animation Assessment grade was significantly related to both their final course grade and their average exam grade while controlling for students' high school GPA. Animation Assessments not only matched the course content well but also helped instructors gauge students' understanding and progress effectively. Instructors assigned an average of four Animation Assessments per week.

Students who averaged 95-100% on Animation Assessments had a

13 pt increase on their

and a final course grade

14 pt

increase on their exam grade

Study sample

▶ 222 biology major students
▶ 20 courses
▶ 16 instructors
▶ 2 semesters

100% Average Exam Grade **Final Course Grade** 80% 82% 79% Side-by-Side 76% 75% 71% When is the DNA of the cells' chromosomes copied's 69% 67% 60% 61% O before G1 at the beginning of mitosis O during S phase Majors Biology: Morris How Life Works 70-85% 85-90% 90-95% 95-100%

**Average Animation Assessment Grade** 

