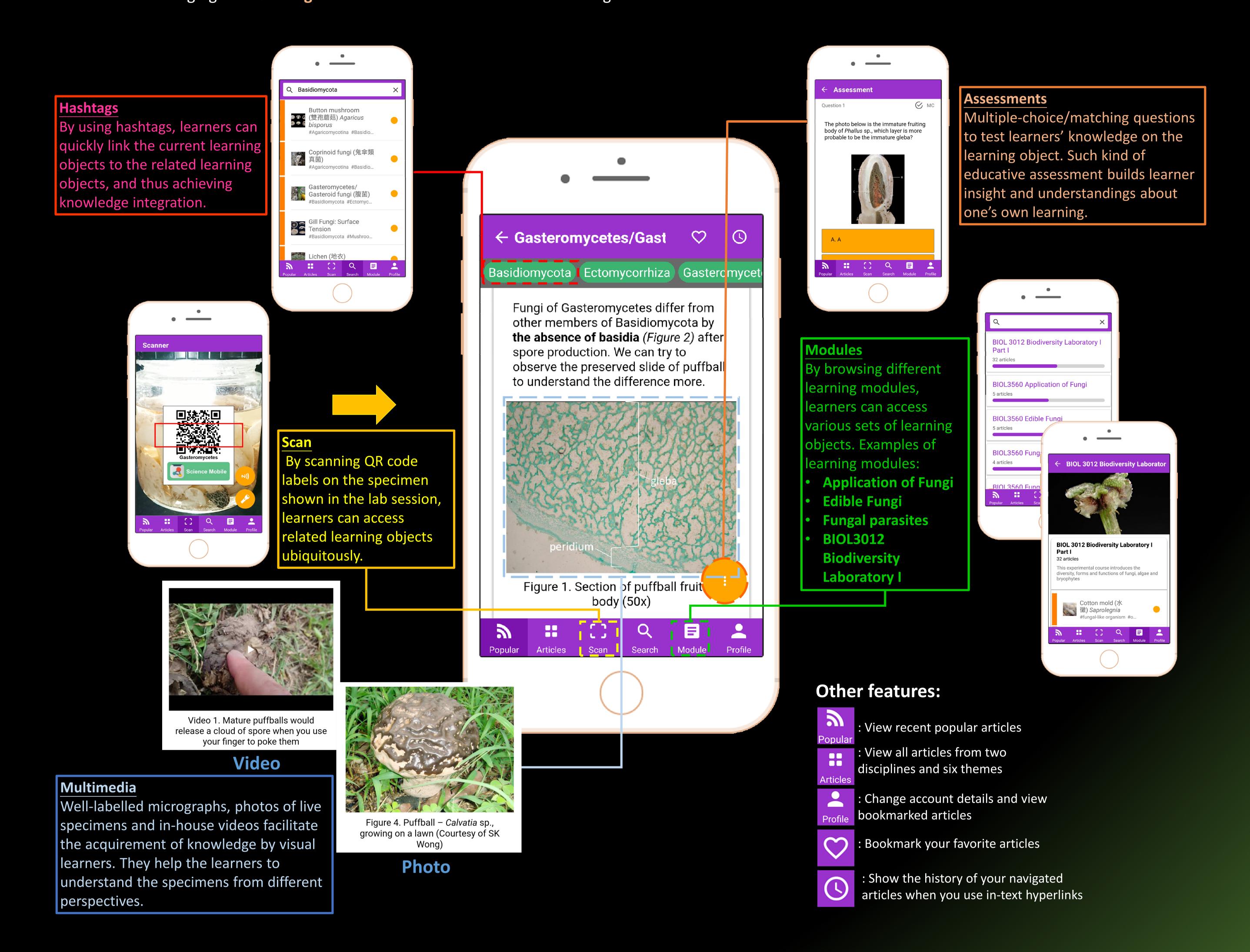
Learning Fungal and Plant Biology via "Science Mobile"

Cheung-Ming Chow, Siu-Kwan Wong & Ka-Man Carmen Cheng School of Life Sciences

Introduction

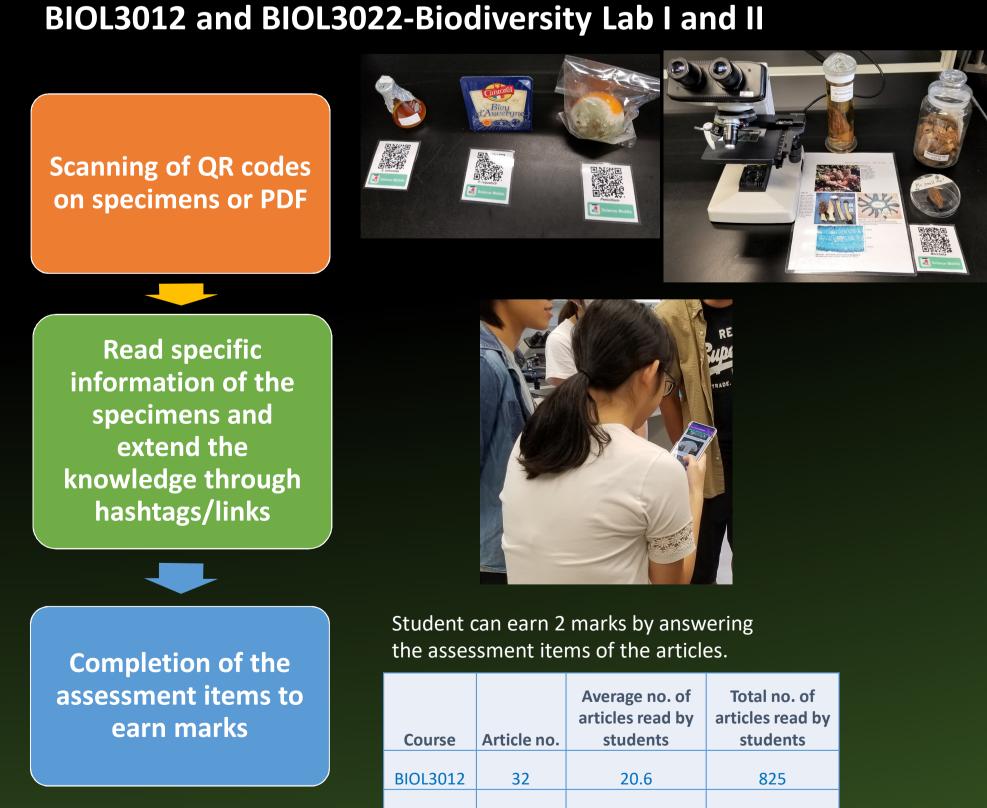
Our project enhances the learning experience for students by

- > promoting ubiquitous learning by digitalising lab specimens and wildlife examples with relevant information and explanation;
- > fostering knowledge integration with hashtags and in-text links for swift connection to related topics;
- > guiding students with learning modules so that they can go step by step in their learning pathway;
- > encouraging self-learning with self-assessment and in-class sharing.



Implementation

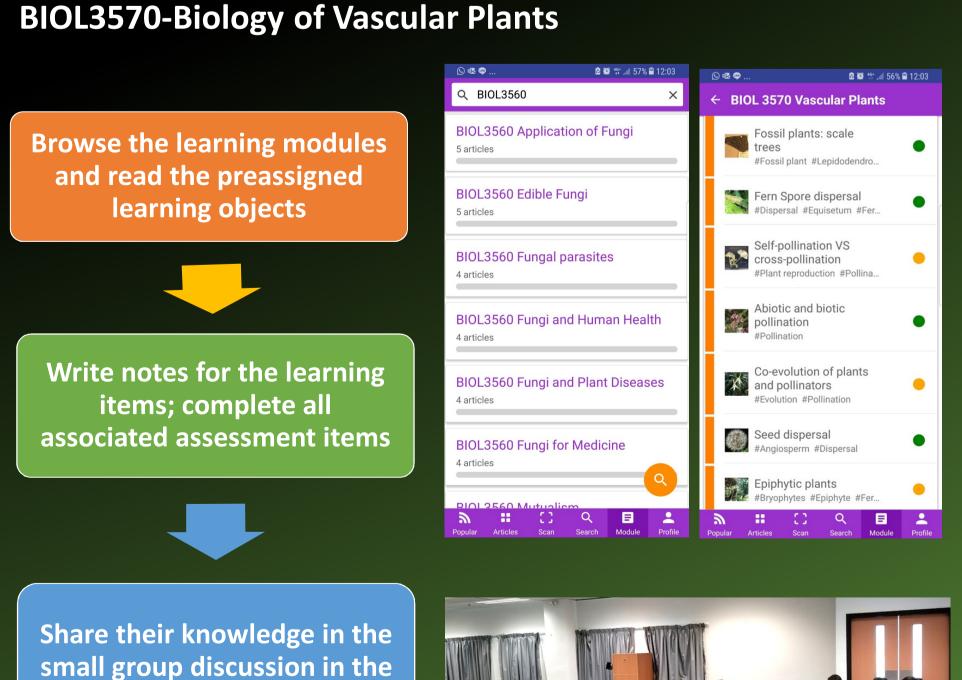




Lecture Courses: BIOL3560-Biology of Fungi and Non-vascular Plants

lecture room or the breakout

rooms of Zoom session



		6	admin
₽ S	tudent - (@cuhk.edu.hk)	8/64 (12.5%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	25/64 (39.1%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	50/64 (78.1%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	41/64 (64.1%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	36/64 (56.3%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	50/64 (78.1%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	12/64 (18.8%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	4/64 (6.3%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	51/64 (79.7%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	42/64 (65.6%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	16/64 (25%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	41/64 (64.1%)	~
₽ S	etudent - (@link.cuhk.edu.hk)	54/64 (84.4%)	~
₽ S	tudent - (@link.cuhk.edu.hk)	51/64 (79.7%)	~

Module Statistics

Students' performance in assessment can be viewed on the teacher panel of Science Mobile. Course instructors may use the statistics for evaluation and grading.

Conclusion and Future prospective

We have so far created over 226 learning objects and 15 modules/learning s under the themes "Plant Biodiversity" and "Fungal Biodiversity" in "Science Mobile" apps, including 19 videos, 1080 photos, 43 illustrations, 397 questions and 800 hashtags/links in addition to the basic information and descriptions. In the coming few months, we aim to enrich the themes with additional videos and learning objects.

ltems	Uploaded	Goals	
Learning objects	226	240	
Photos	1080	~ 1200	
Illustrations	43		
Videos	19		
Questions	397	~400	