

## Overview of Adaptive Digital Learning Tools

Adaptive Learning Tool	How it Adapts	Key Features	Common Features				Examples of successful implementations	
			Content curation and creation	Analytics dashboard <i>e.g. reports (individual and section levels) on time spent, date accessed, score per assignment/quiz, overall course performance</i>	Availability of feedback on students' responses to online exercises	Integration with SMU's Desire2Learn (D2L) Learning Management System		Training and Technical support for instructors and students
<i>Connect with SmartBook (LearnSmart)</i> McGraw-Hill	LearnSmart adapts the difficulty of the questions in the LearnSmart quizzes depending on students' confidence levels and accuracy of their answers.	Accompanying Connect and LearnSmart apps for iOS and Android devices  Important concepts within the SmartBook are highlighted in yellow. Once students have mastered the concepts, the text changes to green.	<p>○ Instructors can choose and assign the relevant chapters based on the SmartBook and LearnSmart quizzes, assignments or have the option to create and upload their own content.</p> <p>✕ Instructors cannot preview the questions for the LearnSmart quizzes</p>	<p>✓ Connect Insight (<a href="#">link</a>)</p> <ul style="list-style-type: none"> <li>Report on individual student's scores, status of assignments, and time spent on each assignment makes student learning visible and provides feedback to instructor on what to adjust for his/her teaching</li> <li>Report on frequently missed questions in LearnSmart so that instructors can review during the next lecture</li> <li>At-risk report assesses which students are at risk of falling behind and requires action by the instructor to remediate</li> <li>Visual of the distribution of students' scores versus time spent at the section level</li> <li>Report on the statistics of how knowledgeable students are about their own comprehension and learning</li> </ul>	Student get instant feedback to their responses on the LearnSmart quizzes in SmartBook, which directs them to the relevant sections of the SmartBook	<p>CTE will liaise with IITS to ensure that you (instructor) and your students only need to login to eLearn in order to access Connect with SmartBook.</p> <p>If you have already purchased an e-textbook with LearnSmart for your course, please contact CTE directly so that we can assist you on this.</p>	<ul style="list-style-type: none"> <li>Training session (face-to-face) by McGraw-Hill's Training team for instructors on the basics of building a course (uploading materials, setting quizzes and assignments, accessing analytics reports) in Connect</li> <li>Downloadable, step-by-step implementation guides (<a href="#">link</a>), and step-by-step videos on the basics of building a course in Connect (<a href="#">link</a>) for instructors</li> <li>Custom guidance for students by McGraw-Hill's Support team on the first day of class on how to access and navigate Connect and SmartBook</li> <li>Customer Service Hotline: (65) 6868-8188</li> <li>Email: <a href="mailto:mghasia.sg@mheducation.com">mghasia.sg@mheducation.com</a></li> </ul>	Case Studies/ Effectiveness Studies ( <a href="#">link</a> )
<i>MindTap</i> Cengage	Knewton technology in MindTap provides real-time recommendations to students to review relevant course content and resources based on their individual assignment responses	Accompanying eText App for iOS and Android devices  Instructors can take attendance and create polls using the App  For eBook, instructors can share highlighted text with students, create their own flashcards on important concepts, embed their own videos, RSS feed etc. into the content.  eBook has the Merriam-Webster Dictionary built in.	<p>○ Instructors can choose and assign the relevant chapters of the eBook and assignments. They can preview all the questions beforehand. They also have the option to create and upload their own content.</p>	<p>✓ Progress App (<a href="#">link</a>)</p> <ul style="list-style-type: none"> <li>Report on student's engagement level versus score</li> <li>Report on score versus time spent by student in course</li> <li>Report on score versus percentage of activities accessed by student</li> <li>Report on class averages (engagement level, time spent, score, percentage of activities accessed)</li> </ul>	Students get instant feedback to their responses on the CengageNOW assignment app within MindTap, which directs them to the relevant sections of the eBook	<p>CTE will liaise with IITS to ensure that you (instructor) and your students only need to login to eLearn in order to access Connect with SmartBook.</p> <p>If you have already purchased an e-textbook with LearnSmart for your course, please contact CTE directly so that we can assist you on this.</p>	<ul style="list-style-type: none"> <li>Training session (face-to-face) by Cengage's Training team for instructors on the basics of building a course (uploading materials, setting quizzes and assignments, accessing analytics reports) in MindTap</li> <li>Downloadable, user guides and instructional videos (<a href="#">link</a>)</li> <li>Custom guidance for students by on the first day of class on how to access and navigate MindTap</li> <li>Customer Service Hotline: (65) 6410-1200</li> <li>Email: <a href="mailto:asia.info@cengage.com">asia.info@cengage.com</a></li> </ul>	Faculty Partner Network connects instructors and facilitates the exchange of best practices on using MindTap ( <a href="#">link</a> )
<i>MyLab</i> Pearson	Assesses student performance and activity in real time. Then, using	Accompanying eText App for iOS (iPad) and Android devices	<p>○ Instructors can choose course materials which are compilations of pre-</p>	<p>✓ Actionable Insights (<a href="#">link</a>)</p>	Students get immediate feedback on the interactive	CTE will liaise with IITS to ensure that you (instructor) and your students only need to	<ul style="list-style-type: none"> <li>Training session (face-to-face) by Pearson's Training team for instructors on the basics of building a course (uploading materials, setting</li> </ul>	Case Studies ( <a href="#">link</a> )

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	data and analytics, it personalizes content to reinforce concepts that target each student's particular strengths and weaknesses.	<b>Learning Catalytics</b> ( <a href="#">link</a> ) that can be used in-class to foster student engagement and peer-to-peer learning. Students submit their answers to knowledge-, conceptual- or opinion-based questions using their web-enabled device and receive immediate feedback. Real-time analytics provides instructors with snapshots of student performance.	built content that may include assessments, multimedia, study plans, simulations, and eTextbooks from the Pearson catalogue or copy a copy an existing course created by another instructor. They also have the option to create and upload their own content.  ✗ Instructors cannot preview the questions for the diagnostic tests	<ul style="list-style-type: none"> <li>Course-level report on overall score average and distribution</li> <li>Report on student's score per assignment and time spent allows instructors to track students' understanding, and intervene when necessary to lend a helping hand</li> </ul>	tutorials (homework and practice exercises). Students can click on question help to get hints on answering the questions.	login to eLearn in order to access MyLab.  If you have already purchased an e-textbook with MyLab for your course, please contact CTE directly so that we can assist you on this.	quizzes and assignments, accessing analytics reports) in MyLab <ul style="list-style-type: none"> <li>Training and Support webpage for instructors are organized according to the product: implementation guides, planning toolkits, instructional videos (<a href="#">link</a>)</li> <li>Dedicated Support webpage that allows users to search by topics(<a href="#">link</a>)</li> <li>Custom guidance for students by on the first day of class on how to access and navigate MindTap</li> <li>Customer Service Hotline: (65) 6319-9388</li> <li>Email: <a href="mailto:asia@pearson.com.sg">asia@pearson.com.sg</a></li> </ul>	
<i>WileyPlus with ORION</i> Wiley	ORION's initial diagnostic test presents the student with a variety of questions at different levels of difficulty to assess which of the many different possible pathways of progression they are most suited to follow. It also takes into consideration the degree of confidence a student reports he/she has with his/her mastery of a certain topic.	Diagnostic test prior to each chapter to establish the baseline of student's proficiency and confidence level  Students have the option to choose "Study" or "Practice". Study link will take students directly to study materials in WileyPlus for that objective or chapter Practice link will take students to a personalized practice session for that objective or chapter  Response to question + indication of confidence level to determine the level of difficulty for the subsequent question	○ Instructors can choose and assign the relevant chapters based on the eBook and the homework assignment in WileyPlus.  ✗ Instructors cannot choose which questions to assign to students for the diagnostic test, though they can preview all the questions.	<p style="text-align: center;">✔ Performance Report (<a href="#">link</a>)</p> <ul style="list-style-type: none"> <li>Report on class performance (number of questions that are correct, incorrect, partially correct, and skipped answers) by chapter allows the instructor to factor this into consideration when adjusting his/her teaching for the next class</li> <li>Report on student's level of proficiency, deviation from the learning objective, number of correct questions and time spent</li> </ul>	Instant feedback to quiz questions that provide hints to relevant parts of the text for students to study	CTE will liaise with IITS to ensure that you (instructor) and your students only need to login to eLearn in order to access WileyPlus with ORION.  If you have already purchased an e-textbook with ORION for your course, please contact CTE directly so that we can assist you on this.	<ul style="list-style-type: none"> <li>Training session (face-to-face) by Wiley's Training team for instructors on the basics of building a course (uploading materials, setting quizzes and assignments, accessing analytics reports) in WileyPlus with ORION</li> <li>Dedicated Training and Resources webpage with user guides, video tutorials, webinars for instructors (<a href="#">link</a>)</li> <li>Dedicated Training and Resources webpage with registration guide, video tutorials and FAQs for students (<a href="#">link</a>)</li> <li>Community site and Live Chat that is available 24/7 (<a href="#">link</a>)</li> <li>Custom guidance for students by on the first day of class on how to access and navigate WileyPlus with ORION</li> <li>Customer Service Hotline: (65) 6643-8000</li> <li>Email: <a href="mailto:enquiry@wiley.com.sg">enquiry@wiley.com.sg</a></li> </ul>	Case Studies ( <a href="#">link</a> )