

ORACLE®

STUDENT LEARNING

An Oracle White Paper
September 2010

Oracle Student Learning (OSL)

Executive Overview

Oracle Student Learning (OSL) is a new category of software that places the student at the center of the learning process. OSL provides the capacity to recognize the uniqueness of each student, enabling learning to be personalized and students to be educated as individuals. OSL facilitates collaboration between teachers, within and across learning areas and schools, continuously building knowledge about each student over time.

Introduction

In Oracle's view, improving teaching and learning capacity is about understanding each individual student and their learning requirements. From this perspective, knowing the student can only be sustained if the collected wisdom of all those that interact with the student can be harnessed into a single view in a way that adds meaning and context.

Oracle's rationale for developing software that enables personalized learning is clear: it is to deliver a new paradigm that transforms teaching and learning. OSL captures all the data associated with a student, from the time they enter school at kindergarten to the time they leave in year 12, thus providing the mechanism to support and reinforce each individual student's learning process whilst providing ongoing feedback to students, teachers and parents.

In the future, there is every reason to believe that we will have learning tools that will allow us to diagnose each individual student in ways that will permit us to treat each student, individually, every hour of every day, with just those educational tools and lesson plans best suited to his or her needs and aptitudes

OECD Publishing – “Schooling for Tomorrow: Think Scenarios, Rethink Education”

Core Components

OSL comprises three core components:

OSL Teaching and Learning Tool – a unified environment for teachers, students and parents

OSL Diagnostics and Reporting Tool – facilitates comprehensive understanding of the student, provides the capacity to diagnose, report and inform teaching and learning.

OSL Student Hub – maps and harnesses the collected wisdom for the educational lifetime of the student

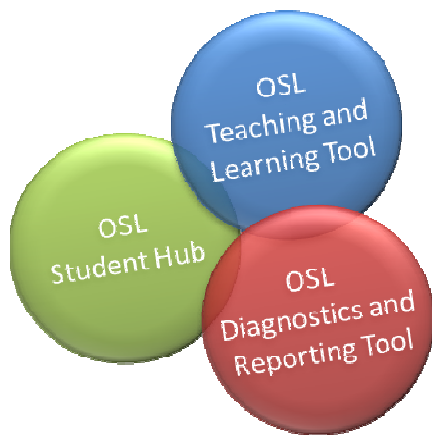


Figure 1: Oracle Student Learning Components

OSL Teaching and Learning Tool

The OSL Teaching and Learning Tool supports the classrooms of today and into the future by allowing the whole school community (students, parents, teachers, administrators and education departments) to be far more engaged in what is happening in the classroom. It is the virtual learning environment, the place where students and teachers (and parents) come together to construct and participate in learning activities.

The OSL Teaching and Learning Tool radically simplifies many time consuming processes, meaning more time can be spent focusing on the student's learning.

OSL enables teachers to:

- Prepare, manage and deliver learning and resources within and across schools
- Share information, resources and curriculum within and across schools
- Collaborate easily and more effectively across the teaching community
- Directly link learning standards/outcomes with student learning activities
- Assess, monitor and manage learning pathways for every student
- Report in real time and provide feedback on student progress to parents and school administrators
- Analyse each student and their learning progress
- Make assessments of learning and assessments for learning
- Communicate with parents and students and provide continuous real time feedback.

OSL enables students to:

- View their learning plans and specific tasks online
- Keep an electronic journal and participate in online discussions
- Complete and submit work to their teachers
- Access digital learning objects and other digital resources
- Review and track their learning, encouraging deeper understanding
- Communicate with teachers online and receive ongoing feedback
- Manage and share their learning
- Communicate and collaborate in ways already so familiar to them in their daily lives.

OSL enables parents to:

- Communicate with the teacher online and get real time feedback
- View their children's lesson plans
- Check homework assigned and assessments due
- Have greater transparency of their children's learning
- Be more involved in their child's education.

OSL Diagnostics and Reporting Tool

The OSL Diagnostics and Reporting Tool allows the interrogation and analysis of data and delivers a full range of capabilities, including interactive dashboards, full ad hoc queries, proactive intelligence and alerts, detailed and summarized reporting, real time predictive intelligence, disconnected analytics, and more.

The OSL Diagnostics and Reporting Tool provides a complete and relevant insight for everyone involved in the teaching and learning process and that, in turn, results in better decisions, informed actions, and more effective teaching. It enables predictive/ heuristic diagnoses so that early interventions can be taken, preventing problems before they occur

OSL Student Hub

The OSL Student Hub sets Oracle's student learning environment apart from other solutions by managing information and knowledge about the student holistically over time. The OSL Student Hub has been specifically tailored to the K-12 education sector. It transforms the way student information is managed by recognizing that the student is central to their educational experience.

The OSL Student Hub is the means by which knowledge can be harnessed and linked to each learner. This data driven design is entirely unique to OSL; other categories of software (such as Learning Management Systems) are dependent upon, and driven by, function-features.

The OSL Student Hub incorporates all the elements associated with the student (information, knowledge, interactions and relationships) and references these elements as the student, teacher and parent interact. The design bases all transactions around the student to enable a complete longitudinal picture of each student no matter how many schools they attend within the education jurisdiction during their lifetime.

Conclusion

OSL is a data driven teaching and learning system that supports the classrooms of today and into the future. It is truly transformative and enables the whole K-12 learning community to share, connect, learn and engage with one another. OSL's unique data driven approach enables improvements in educational outcomes through the personalization of each individual students learning.



Oracle Student Learning (OSL)
September 2010
Author: Greg Martin

Oracle Corporation
World Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Worldwide Inquiries:
Phone: +1.650.506.7000
Fax: +1.650.506.7200
oracle.com



| Oracle is committed to developing practices and products that help protect the environment

Copyright © 2010, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. UNIX is a registered trademark licensed through X/Open Company, Ltd. 0410

SOFTWARE. HARDWARE. COMPLETE.