



Welcome

Oracle Academy

Debbie Boetzkes

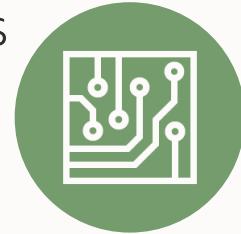
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Oracle Academy NL

20.06.2022

About Oracle

- US\$39B total GAAP revenue in FY20
- 430,000 customers in 175 countries
- \$70B in R&D since FY04
- \$80B+ spent on more than 140 acquisitions
- 20,000 partners across the globe
- 132,000 employees
- 10,000 customer support and service specialists, speaking 29 languages
- 19,000 implementation consultants
- World's first and only autonomous database
- Industry's broadest and deepest suite of cloud applications
- More than 18,000 patents worldwide
- 38,000 developers and engineers



Oracle Academy

Oracle's global philanthropic educational program

Advances computing education globally to increase knowledge, skills development, innovation, and diversity in technology.

Free program
for educational
institutions,
educators, and
their students



Engages with
thousands of
educational institutions
and educators in
130+ countries



Helps **millions**
of students get
hands-on
practice in
industry-relevant
technologies
and become
career ready



Free resources

Oracle Academy **offers free resources to teach and learn computing**, including curriculum, learning resources, Oracle cloud technologies, software, support, and professional certification resources.

With Oracle Academy, students receive hands-on experience with the latest technologies, helping make them **career ready** in the era of cloud computing, artificial intelligence, machine learning, data science, the Internet of Things, and beyond.



Oracle Academy Free Resources

Oracle Academy
Primavera

Oracle Academy
Cloud Program

Oracle APEX

Oracle Academy
NetSuite

Oracle Academy Academic Curriculum

Project Management Curriculum

Primavera Professional
Project Management
Fundamentals

Cloud Curriculum

Cloud Infrastructure
Foundations I and II

Java Curriculum

Java Fundamentals
Java Foundations
Java Programming
Artificial Intelligence with
Machine Learning in Java

Database Curriculum

Database Foundations
Database Design and
Programming with SQL
Programming with PL/SQL
Oracle
Application Express (APEX)
Development Foundations

Oracle Academy Education Bytes

Career Learning Resources

Engineering and Development Roles:

Database Administrators
Software Developers
Cloud Infrastructure Engineers
System Administrators
Project Managers

Sales Roles:

Business Development
Consultants
Sales Managers

Corporate Function Roles:

Human Resources
Finance

Oracle Professional Certification Pathways

Free teaching and learning resources

Getting started: Workshops

Make first experiences with computing fun and engaging, while leveraging best academic curriculum practices.

Use Oracle Academy workshops to:

- Introduce computer science to early learners in a fun and engaging way
- Incorporate computer science into teaching other academic disciplines
- Offer extra-curricular programs, events and experiences



Free teaching and learning resources

Java and database workshops

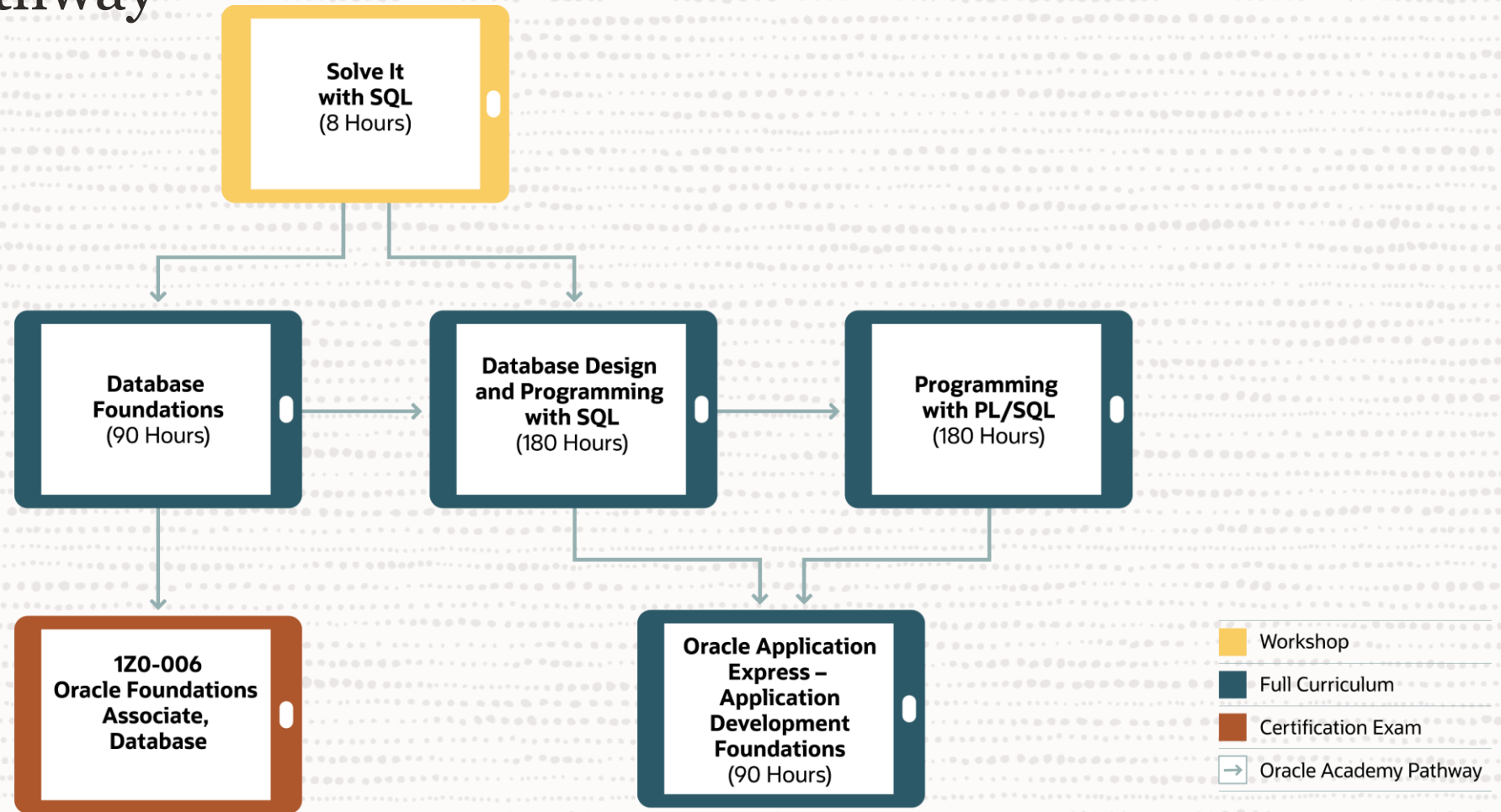
Oracle Academy **Java** workshops introduce beginning learners to object-oriented programming using drag and drop interfaces to create 3D animations and 2D games, and interact with the Finch Robot.

The Oracle Academy **database** workshop introduces databases to beginners by challenging them to play the role of a superhero and solve a series of crimes using a cloud-based database development environment.



Free teaching and learning resources

Database pathway



Free teaching and learning resources

Database curriculum

Students are able to learn and get hands-on practice through Oracle APEX and the Oracle Academy Cloud Program, which provides access to Oracle Cloud Free Tier.

Database Foundations

Students with little database experience learn database design techniques, design databases using a modeling tool, and are introduced to SQL to implement and query databases using hands-on practice. **90 Hours**

Programming with PL/SQL

Students are introduced to PL/SQL and explore how it extends and automates SQL in administering the Oracle database, and create projects to design, implement, and demonstrate a database solution for a business. **180 Hours**

Database Design and Programming with SQL

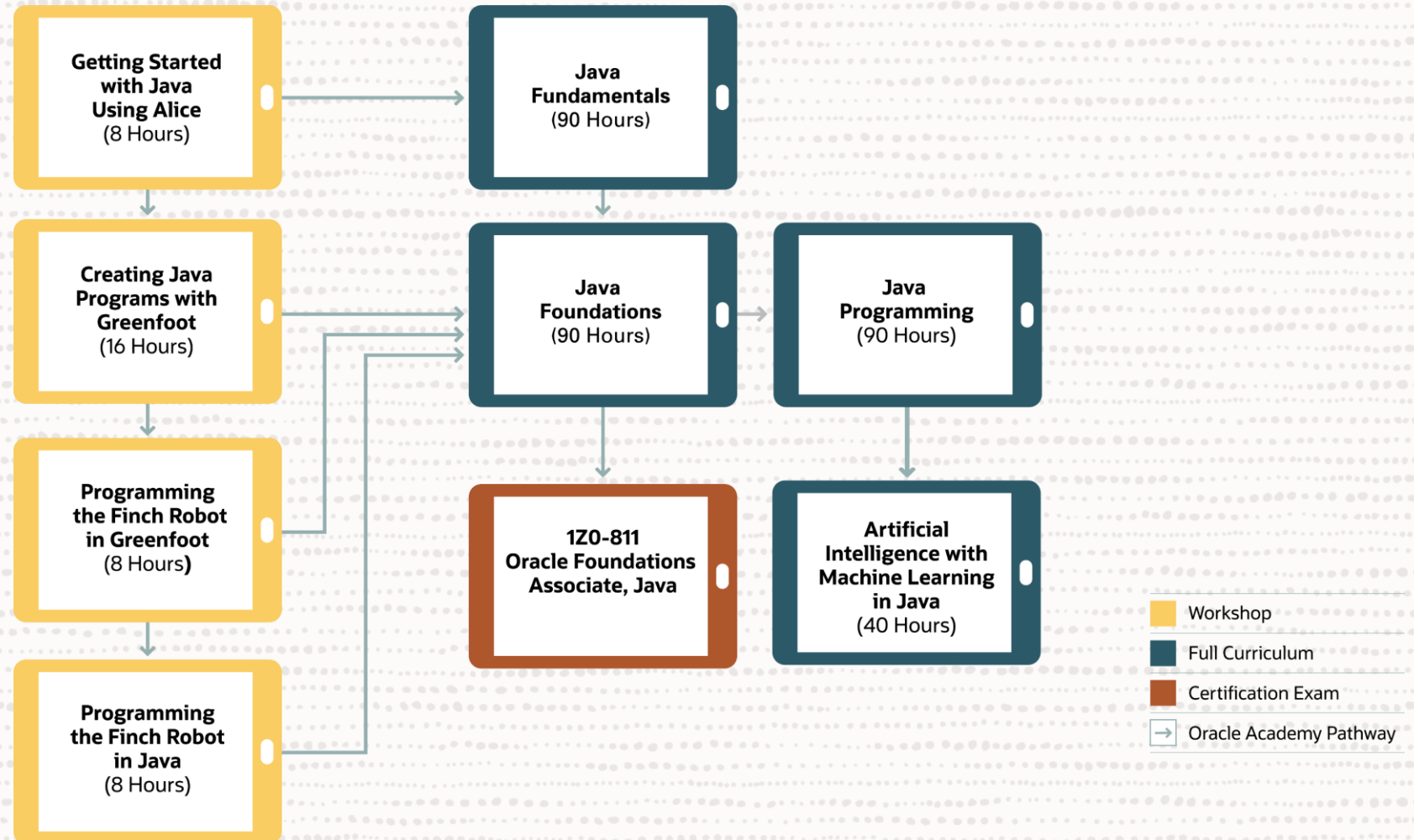
Students learn to analyze complex business scenarios to develop data models and databases using SQL in engaging activities. **180 Hours**

Application Development Foundations

Students learn techniques and tools required to develop database-driven web applications as well as how to design, develop, and deploy database-driven web applications using Oracle Application Express (APEX). **90 Hours**

Free teaching and learning resources

Java pathway



Free teaching and learning resources

Java curriculum

Java Fundamentals

Engages participants with little or no programming experience. Participants are introduced to object-oriented concepts, terminology, and syntax using hands-on, engaging activities on easy to use Java platforms to scaffold the knowledge to create basic Java programs. **90 Hours**

Java Foundations

Engages participants with little programming experience in Java programming using a standard Java editor. Participants are introduced to programming concepts, object-oriented concepts, terminology, and syntax, and the steps required to create basic Java programs. **90 Hours**

Java Programming

Builds on the skills gained in Java Fundamentals or Java Foundations to help advance Java programming skills. Participants design object-oriented applications with Java and create Java programs using hands-on, engaging activities. **90 Hours**

Artificial Intelligence with Machine Learning in Java

Building on the skills gained in Java Foundations and Java Programming, students learn and practice machine learning concepts within artificial intelligence. They are introduced to the terminology, syntax, and steps required to create a machine learning solution in Java using hands-on, engaging activities. **40 Hours**

Free teaching and learning resources

Cloud curriculum – NEW!

Cloud Infrastructure Foundations I and II

Oracle Cloud Infrastructure (OCI) leads cloud computing with a deep and broad platform of cloud services that enables customers to build and run a wide range of applications in a scalable, secure, highly available and high-performance environment.

Now, students can learn about cloud from the cloud leader. This new curriculum helps students build foundational knowledge of cloud computing with a focus on concepts and terminology along with hands-on practice in the cloud.



Free teaching and learning resources

Cloud Infrastructure Foundations introduces students to basic OCI concepts and terminology:

- Core Infrastructure
- Database
- Solutions, Platform and Edge
- Governance and Administration

Throughout the course, learners gain a core understanding of cloud, how it works with databases, and information on security, administration, monitoring, and management.

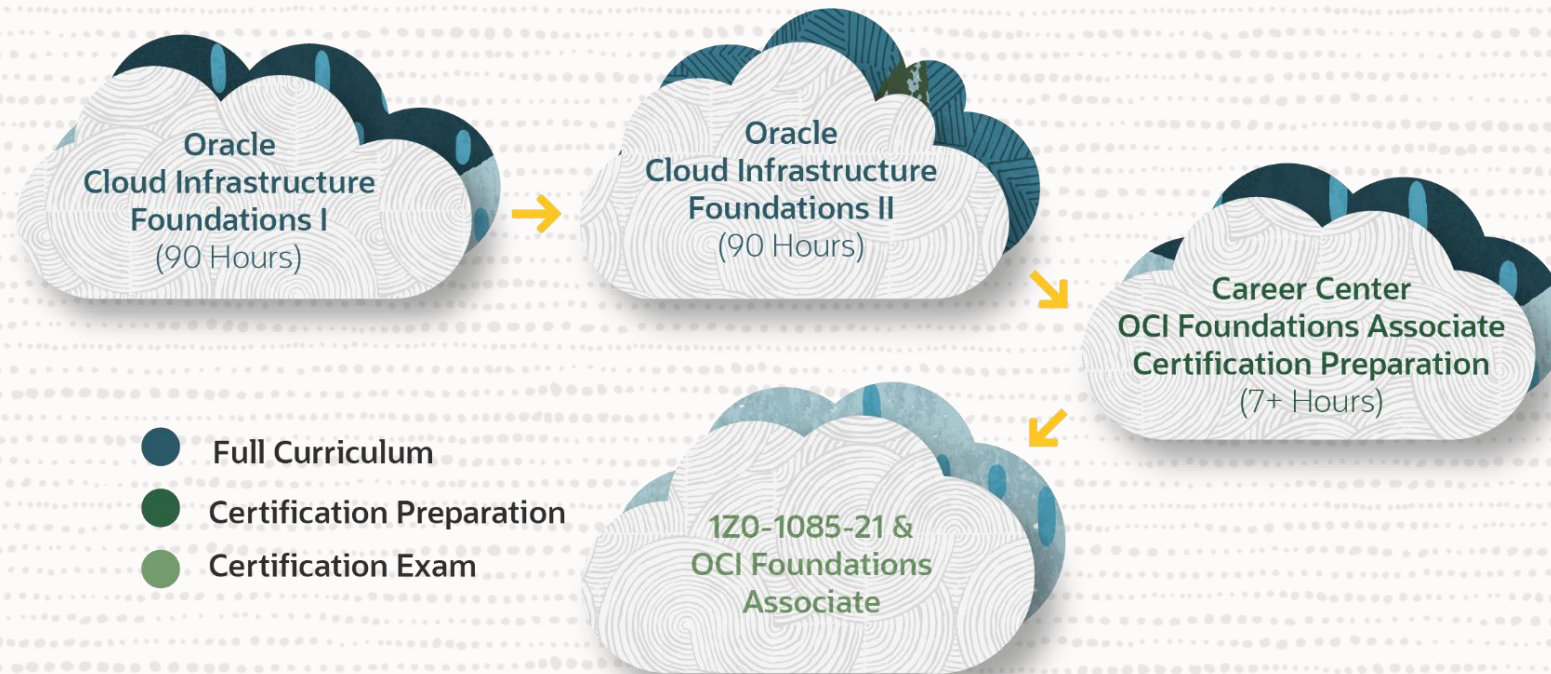
To gain deeper hands-on experience and skills, students the age of legal majority in their country of residence also have **access to Oracle Cloud Free Tier**.

Each 90 Hours | 30 Credit Hours CPD for Educators



Free teaching and learning resources

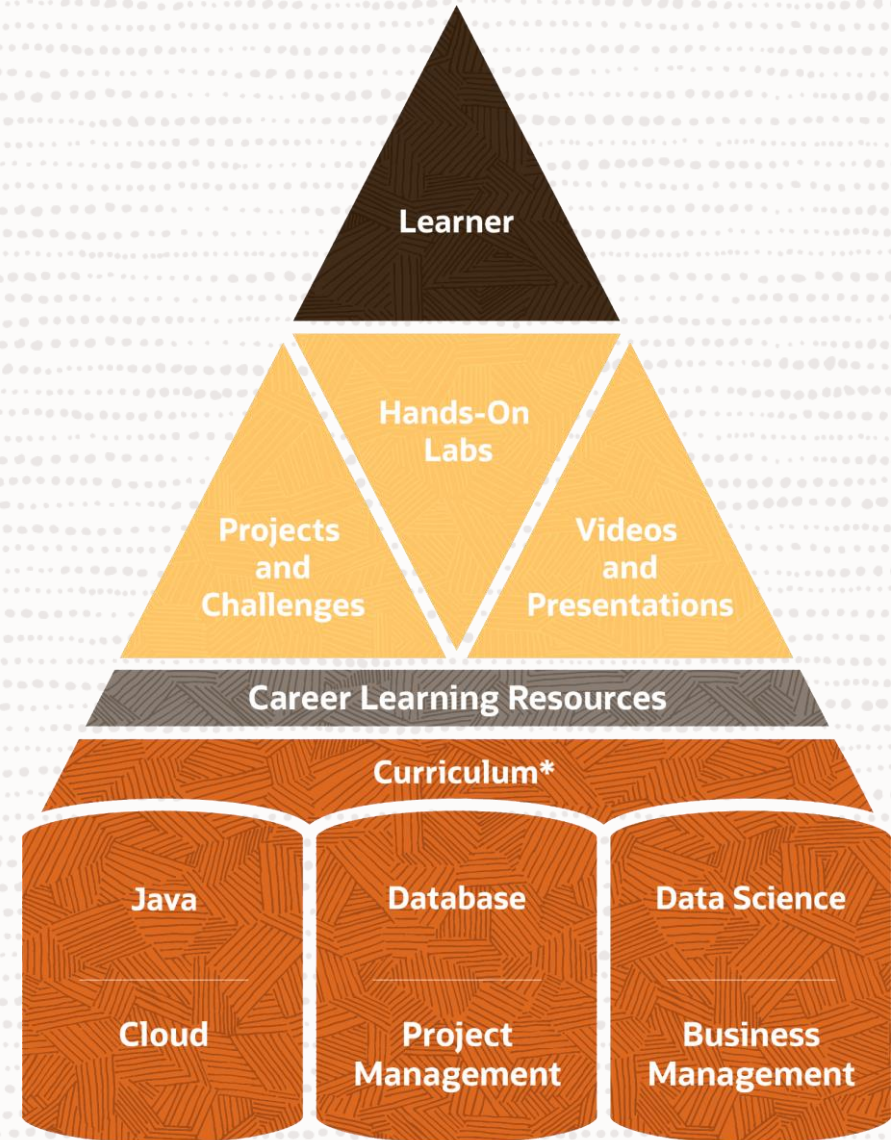
Cloud pathway



Free teaching and learning resources

Oracle Academy Education Bytes

- Short, flexible learning modules in programming, database, data science, big data, and many more topics that teach new concepts and enhance existing knowledge and skills, problem solving, creativity, and learning retention.
- Can be used alone or to enhance Oracle Academy curriculum.
- Offers content in three formats: Hands-on labs, projects and challenges, and videos and presentations.



*Curriculum is available to Oracle Academy Institutional members only.

Free teaching and learning resources

Oracle Academy Education Bytes



Hands-On Labs—Step-by-step instruction-based labs designed to be facilitated by an educator or self-studied by an individual learner. Some may require prior knowledge or completion of curriculum.



Projects and Challenges—Stand-alone projects that can be used independently of, during, or at the end of an Oracle Academy workshop or course.



Videos and Presentations—These can be used within the classroom or viewed by individual learners at their own pace to learn more about computer science topics.

Explore Education Bytes at academy.oracle.com/curriculum.

Free teaching and learning resources

Career Learning Resources

Help pave your students' pathway to success with the new Oracle Academy Career Center, offering Career Learning Resources with free career-based learning content modules through Oracle University, Oracle Learning Library, and Oracle developer teams.

**Visit the new
Career Center in
the Member Hub
for free career-based
courses and more**



Free teaching and learning resources

Career Learning Resources

This new offering helps learners make connections between Oracle Academy core academic curriculum and exploration of career pathways that include professional training – with the option to explore Oracle professional certifications.



Engineering and Development Roles

- Database Administrators
- Software Developers
- Cloud Infrastructure Engineers
- System Administrators
- Project Managers



Corporate Function Roles

- Human Resources
- Finance



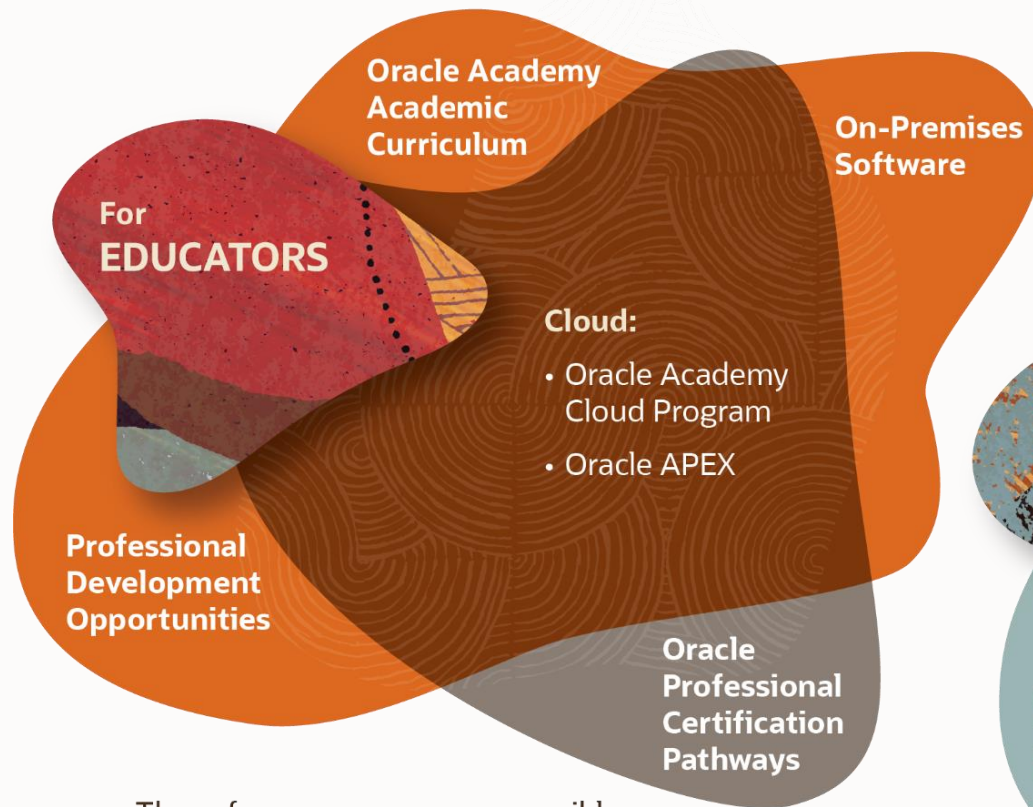
Sales Roles

- Business Development Consultants
- Sales Managers

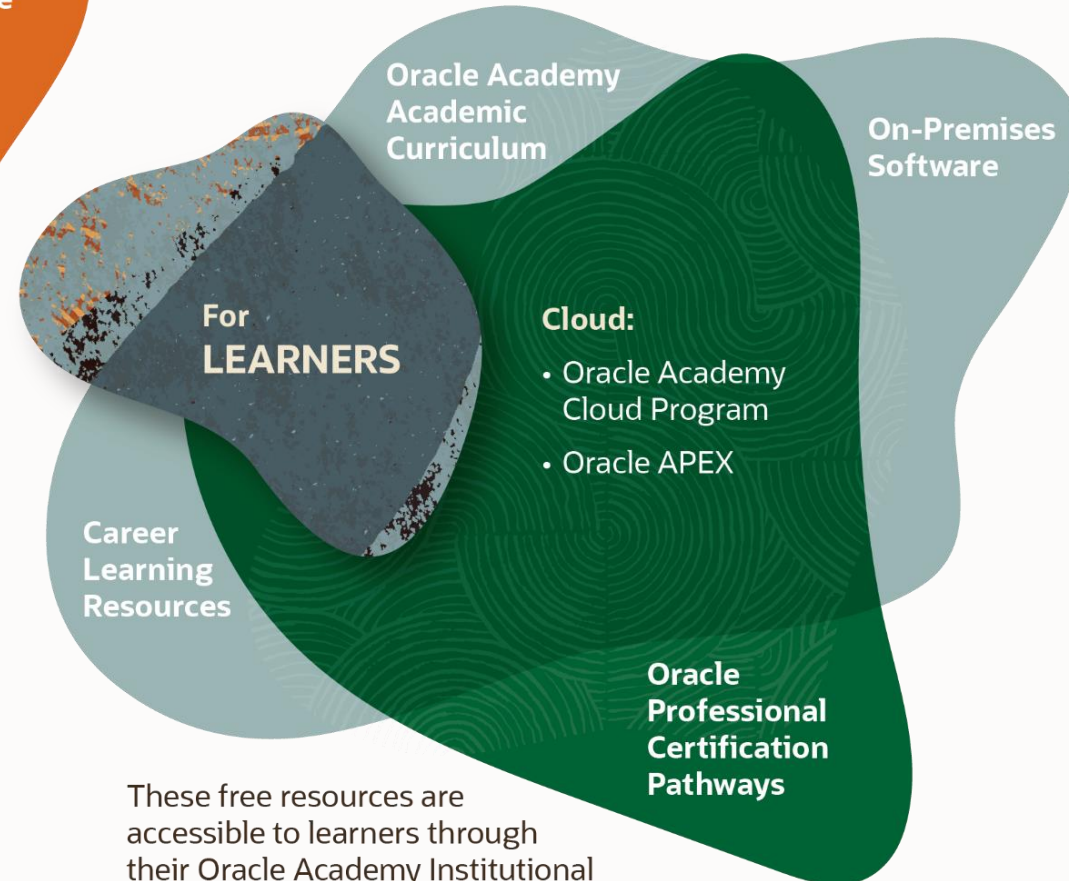
Simply log in to your Member Hub to access at academy.oracle.com.



Free teaching and learning resources – for educators and learners



These free resources are accessible to all Oracle Institutional member educators.



These free resources are accessible to learners through their Oracle Academy Institutional member educators.

Oracle Academy Cloud Program

Educators and students teach, learn, explore, build, develop, and practice in the cloud — free of charge.



Free teaching and learning resources

Oracle Academy Cloud Program

Students can get to work almost instantaneously. “It used to take days, weeks or even months. If the cloud brought nothing else to the classroom, this would be enough.”

- *Brendan Tierney, Technological University Dublin*

Supports the global classroom and the anywhere, anytime student. Always available access virtually for students and teachers, using just an Internet browser.

Free access to the latest database features and computing power. The latest versions of software, security and patches for institutions.

Prepares future employees with industry-relevant skills. Students have access to emerging technologies, comprehensive curriculum, and hands-on learning and developing in the cloud to build career-ready skills.

Explore the cloud at academy.oracle.com/cloud.

Free teaching and learning resources

Oracle Academy Cloud Program

Access to Free Tier and Oracle APEX

- Includes powerful Autonomous Database and Oracle Cloud Infrastructure, available to educators and their students for an unlimited time
- Teach and learn in the cloud with one-time classroom setup
- Comprehensive curriculum with startup guides for ADB: SQL, PL/SQL, SQL Builder, plus APEX, Compute VM, Oracle Linux, and Java

Easy signup

- Intuitive and easy account sign-up process and unified console experience and easy navigation
- Educators easily can provision student accounts, and classes are up and running in the cloud for anytime, anywhere access without the need to download, install, or maintain software or databases, saving hours of time year over year
- IaaS, PaaS & SaaS access via one user interface

Free credits

- 365-day USD\$300 credit
- Learn, explore and build for free in services such as Big Data, NoSQL, Kubernetes, Digital Assistant, Java, Content and Experience and many more

Explore the cloud at academy.oracle.com/cloud.

Free teaching and learning resources

Oracle Academy Cloud Program



Autonomous Database

*2 x Databases
20 GB each*



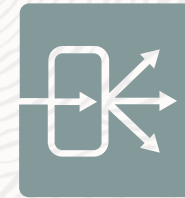
Compute VM

*2 x VMs
1 GB Memory each*



Storage

*100 GB Block
10 GB Object
10 GB Archive*



Networking/ Load Balancing

*10 Mbps LB
10 TB Outbound
Data Transfer*



Monitoring / Notifications

*500M Metrics Ingestion
1B Metrics Retrieval
1M Notifications
1K Emails*

Explore the cloud at academy.oracle.com/cloud.

Free teaching and learning resources

Oracle Academy Cloud Program



- **Always Free: Two Databases per Cloud Tenancy**
 - Each Database gets 1 OCPU and 20 GB storage
- **Free Tools for Application Development**
 - APEX for low-code, web-based app development
 - SQL Developer Web for database development
 - SQL Notebooks for Machine Learning
 - Automatic REST for easy access and publishing of DB data
 - Drivers for all popular programming languages

Explore the cloud at [**academy.oracle.com/cloud**](https://academy.oracle.com/cloud).

Free teaching and learning resources

Oracle Academy Cloud Program



- Always Free: Two Compute VMs per Cloud Tenancy
 - Each VM gets 1 GB memory and 50 GB block storage
- Free for Application Development
 - Create a Linux VM (Oracle Linux, Ubuntu or CentOS)
 - Develop in multiple languages (Java, Python, Ruby)
 - Develop Web Services (Node.JS, APACHE)

Explore the cloud at academy.oracle.com/cloud.

Oracle Academy Member Hub

Educators can access all the resources they need in one state-of-the-art member-focused teaching and learning platform.



Free curriculum and teaching and learning resources

Oracle Academy Member Hub

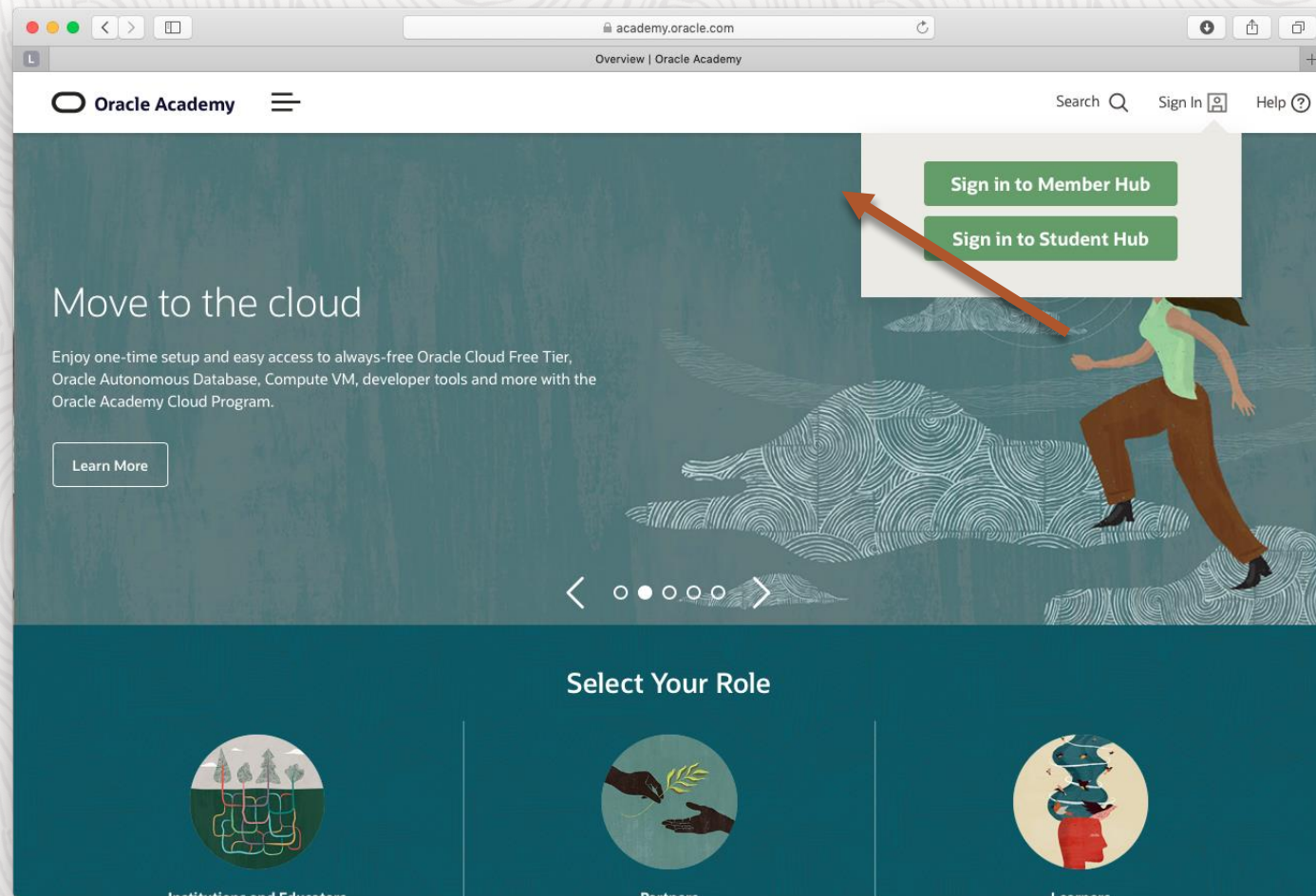
All teaching and learning content in one location, including:

- Curriculum — including quizzes, exams, and assessment tools
- Workshops
- Oracle Academy Education Bytes
- Oracle Academy Cloud Program, Oracle APEX, and more
- Customizable channels and student administration
- Oracle technology and applications software and open source software and environments
- Access to all member benefits, discounts, and resources
- Professional continuing education, training, and learning paths



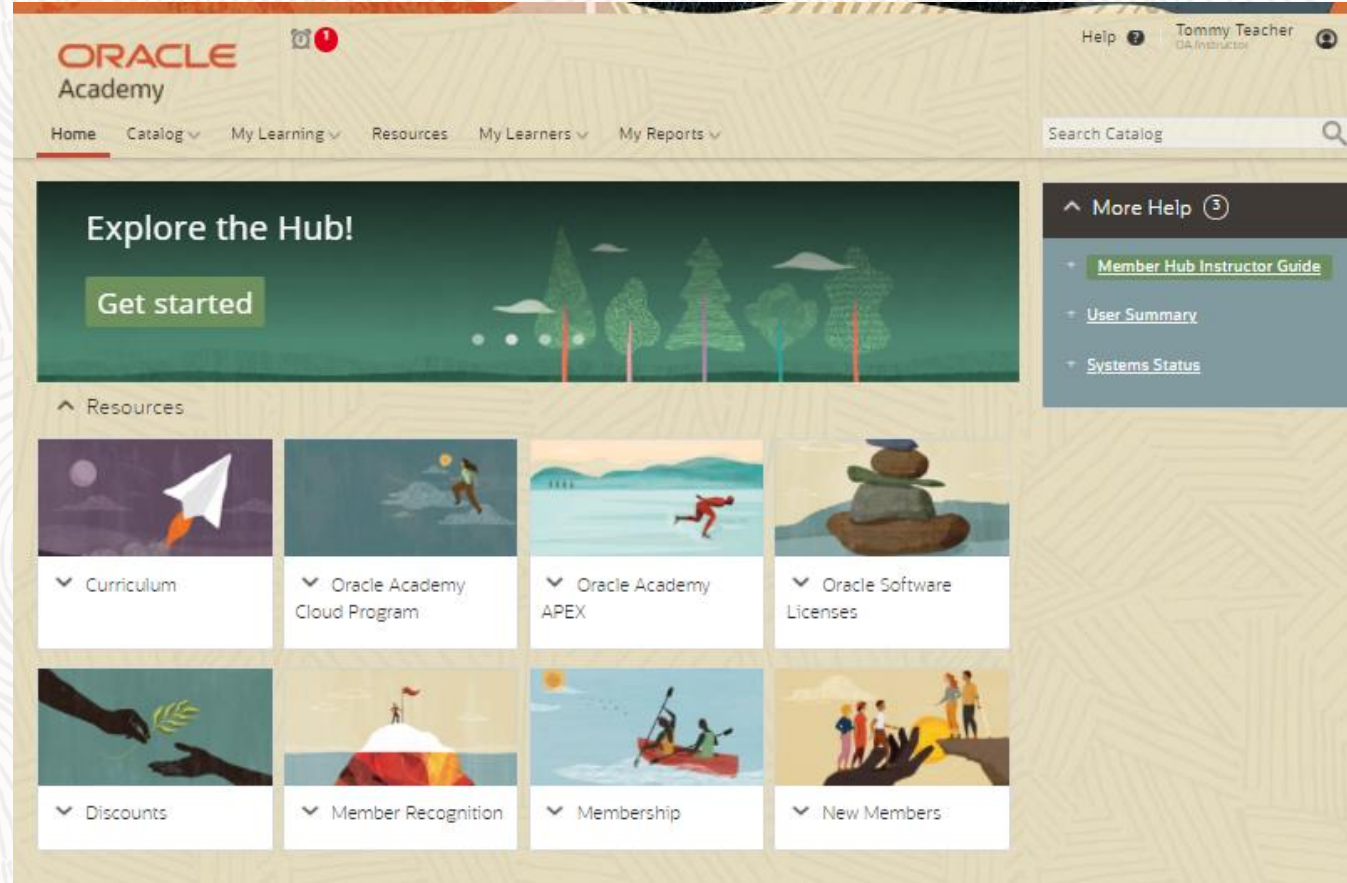
Free curriculum and teaching and learning resources

Accessing the Member Hub is easy



Free curriculum and teaching and learning resources

All your teaching and learning resources in one place



Free curriculum and teaching and learning resources

Browse the catalog

The screenshot displays the Oracle Academy catalog interface. The top navigation bar includes the Oracle Academy logo, a notification bell, and a user profile for 'Tommy Teacher, OA Instructor'. Below the navigation bar, there are tabs for 'Home', 'Catalog', 'My Learning', 'Resources', 'My Learners', and 'My Reports'. The 'Catalog' tab is active, showing a 'Browse by Category' section on the left with filters for 'Delivery Method' and 'Language'. The 'Delivery Method' filter is expanded, showing options like 'Classroom', 'Exam', 'Instructor Resources - Academy Bytes', etc. The 'Language' filter is also expanded, showing options like 'Bahasa Indonesia', 'Deutsch', 'English', etc. The main content area displays a grid of course cards, including 'Member Empowerment', 'Academy Bytes - Data Science', 'Academy Bytes - Database', 'Academy Bytes - Java', 'Academy Bytes - Other', 'Full Course - Database', 'Full Course - Java', 'Member Hub Updates', and 'Browse All'. The 'Full Course - Data Science' card is highlighted, showing 3 results. The results are sorted by 'Course Name' and include course details, dates, and buttons for 'Details' and 'Enroll'.

ORACLE Academy

Help Tommy Teacher OA Instructor

Home Catalog My Learning Resources My Learners My Reports

Browse by Category Search

Delivery Method

- ☐ Classroom (9)
- ☐ Exam (117)
- ☐ Instructor Resources - Academy Bytes (16)
- ☐ Instructor Resources - All Courses (3)
- ☐ Instructor Resources - Full Course (10)
- ☐ Instructor Resources - Workshop in a Box (5)
- ☐ Learner Channel (86)
- ☐ Learning Path - Academy Bytes (52)
- ☐ Learning Path - Cumulative Exam (10)
- ☐ Learning Path - Full Course (10)
- ☐ Learning Path - Professional Development (CPD) (13)
- ☐ Learning Path - Resources (8)
- ☐ Learning Path - Workshop in a Box (5)
- ☐ Online (556)
- ☐ Video (25)
- ☐ Virtual Training (8)

Language

- ☐ Bahasa Indonesia (Indonesian) (25)
- ☐ Deutsch (German) (18)
- ☐ English (1002)
- ☐ Español (Spanish) (24)
- ☐ Français (French) (4)

[Show More](#)

Place Status

Member Empowerment

Academy Bytes - Data Science

Academy Bytes - Database

Academy Bytes - Java

Academy Bytes - Other

Full Course - Database

Full Course - Java

Member Hub Updates

Browse All

ORACLE Academy

Help Tommy Teacher OA Instructor

Home Catalog My Learning Resources My Learners My Reports

Browse by Category Search

Delivery Method

- ☐ Classroom (0)
- ☐ Exam (0)
- ☐ Instructor Resources - Academy Bytes (0)
- ☐ Instructor Resources - All Courses (0)
- ☐ Instructor Resources - Full Course (0)
- ☐ Instructor Resources - Workshop in a Box (0)
- ☐ Learner Channel (0)
- ☐ Learning Path - Academy Bytes (0)
- ☐ Learning Path - Cumulative Exam (1)
- ☐ Learning Path - Full Course (1)
- ☐ Learning Path - Professional Development (CPD) (1)
- ☐ Learning Path - Resources (0)
- ☐ Learning Path - Workshop in a Box (0)
- ☐ Online (0)
- ☐ Video (0)

Full Course - Data Science

3 Results

Sort by: **Course Name**

Enrolled Artificial Intelligence with Machine Learning in Java Learner

Learning Path - Cumulative Exam
AiML Artificial Intelligence with Machine Learning in Java Cumulative Final Exam - English
Added: 27-Apr-20

Enrolled Artificial Intelligence with Machine Learning in Java Learner

Learning Path - Full Course
AiML Artificial Intelligence with Machine Learning in Java Learner - English
Added: 29-Jan-20

Enrolled Artificial Intelligence with Machine Learning in Java Learner

Learning Path - Professional Development
AiML Artificial Intelligence with Machine Learning in Java Learner - English CPD
Added: 27-Apr-20

Details **Details** **Enroll**

Free curriculum and teaching and learning resources

Create channels and accounts for your learners

The screenshot displays the Oracle Academy user interface. The main header includes the Oracle Academy logo, a navigation menu with 'Home', 'My Learning', and 'Reporting', and a user profile section showing 'User 141912407' and 'Learner'. A large banner reads 'Jumpstart your Future!' with an illustration of a tiger. Below the banner, there are sections for 'My Channels' and 'My Learning Paths'. The 'My Channels' section shows a channel named 'ITD 132 TCC Class Channel' for 'SQL Programming Student'. The 'My Learning Paths' section shows two learning paths: 'Member Hub Learner Guide and Orientation - English' and 'Member Hub Learner Resources - All Courses', both with a 'Next Due' date of '07-Jan-22'. A modal window titled 'Create Users And Enroll' is open on the right side of the screen. It contains instructions for creating users and enrolling them into a channel. The modal includes fields for 'Number of Users' (set to 25) and 'Expiration Date'. Below these fields, there is a 'New User Detail' section with fields for 'Name' (set to 'User <ID>'), 'Email' (set to 'no-autoreplies@seertechsolutions.com'), 'Manager' (set to 'Tommy Teacher (TOMMY.TEACHER@ZZZZ.EDU)'), and 'Organization' (set to 'ZZZZ High School - Students'). A 'Save' button is at the bottom of the modal.

ORACLE Academy

Home My Learning Reporting

Jumpstart your Future!

More Help 1

+ Redeem Certification E Vouchers Demonstration

My Channels 1

ITD 132 TCC Class Channel
SQL Programming Student

Details

My Learning Paths 2

Resources

Learning Path Member Hub Learner Guide and Orientation - English
Next Due: 07-Jan-22

Resources

Learning Path Member Hub Learner Resources - All Courses
Next Due: 07-Jan-22

Mandatory

Create Users And Enroll

1. Select the number of users to create and enroll into this Channel, and an expiration date.
2. Upon clicking the 'Save' button, the system will begin creating the new accounts.
This process may take up to 5 minutes; please wait for your accounts to complete.
3. Expect email confirmation within 60 minutes.

* Number of Users
25

* Expiration Date
[Calendar Icon]

New User Detail:

Name
User <ID>

Email
no-autoreplies@seertechsolutions.com

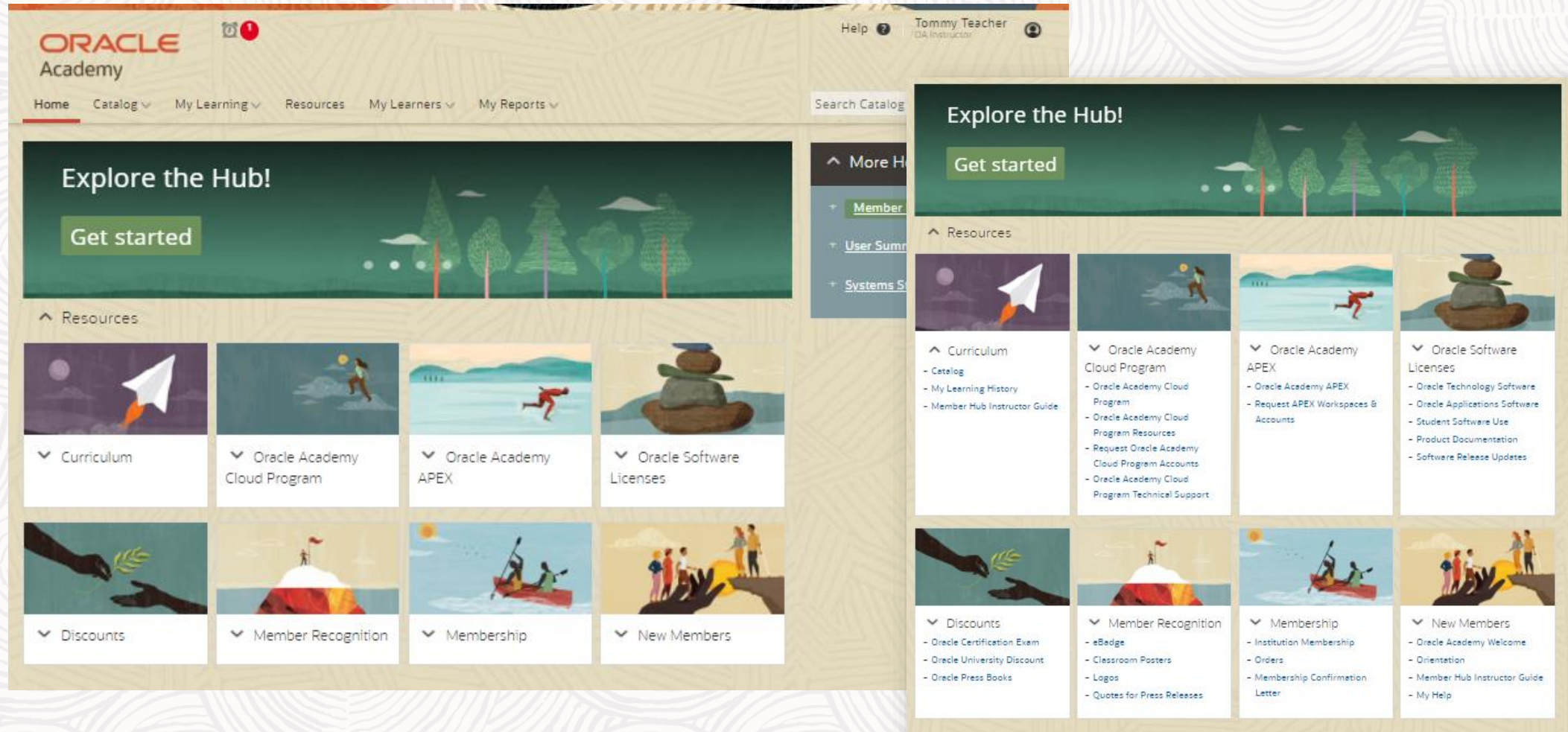
Manager
Tommy Teacher (TOMMY.TEACHER@ZZZZ.EDU)

Organization
ZZZZ High School - Students

Save

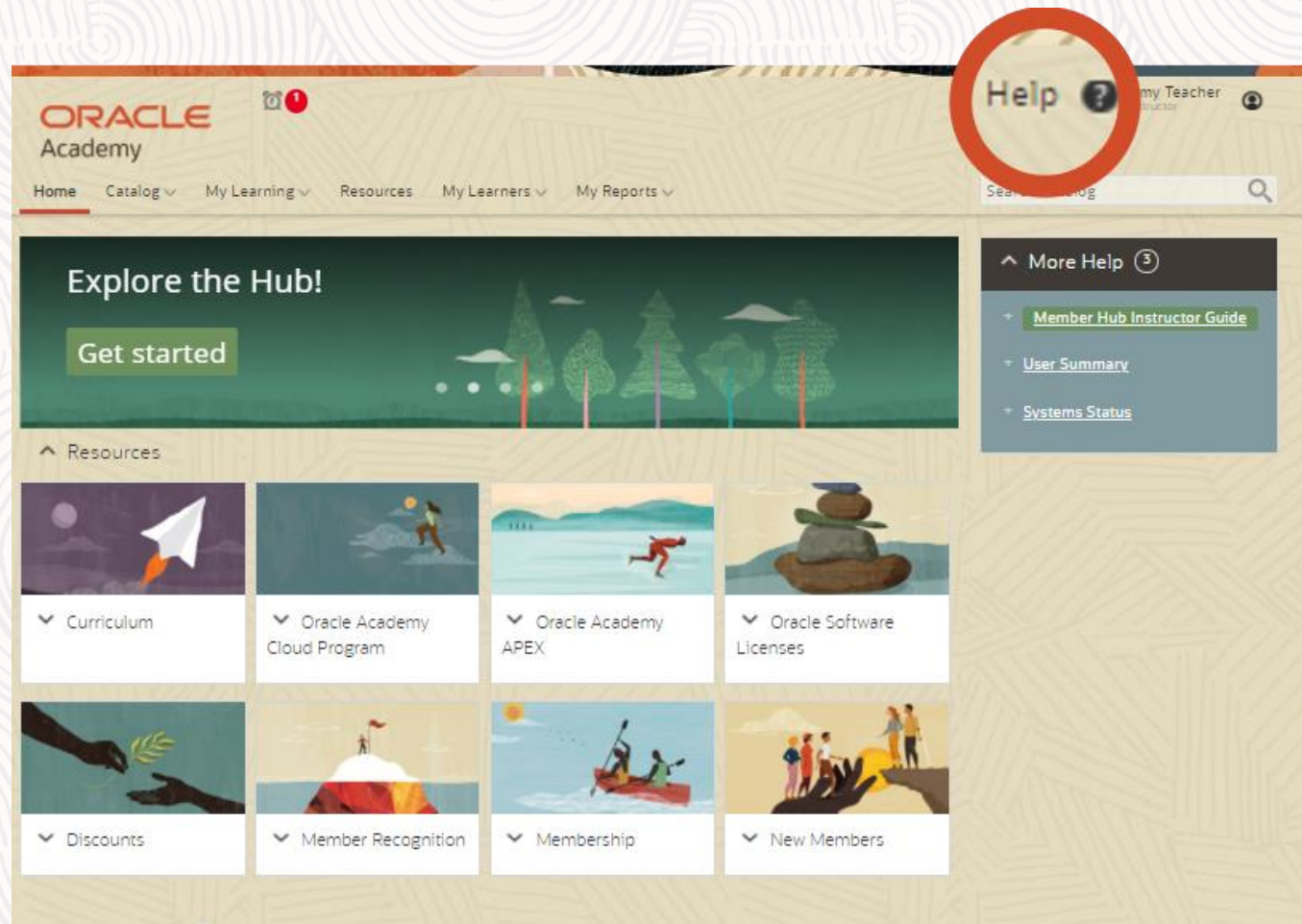
Free curriculum and teaching and learning resources

Access all your free resources and benefits



Free curriculum and teaching and learning resources

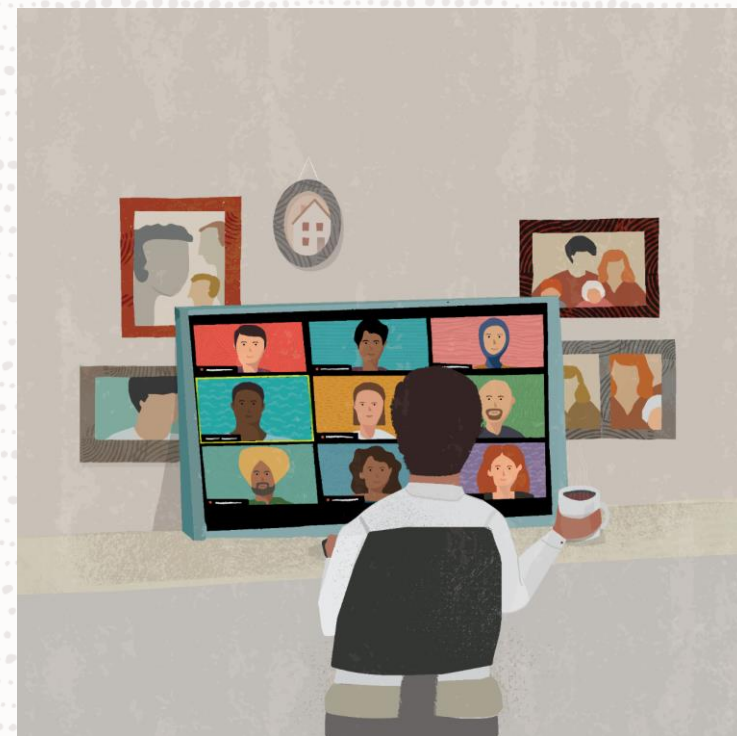
Easily access help for any questions



Free continuing professional development

Earn CPD credits at your pace and keep current with technology with instructor-led self-study courses

- In Oracle Academy Zoom-integrated virtual trainings, our instructor helps you get started and remains available to offer expertise and coaching as needed.
- Self-study training is available at any time and can be completed for CPD credit even after an event has ended.
- CPD hours are determined **based on the curriculum learning content** in accordance with guidelines from the International Association for Continuing Education and Training.



Would you like to find out more about the program?

Get in touch!



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ORACLE

Academy