



Student's Guide

Using Online Platforms

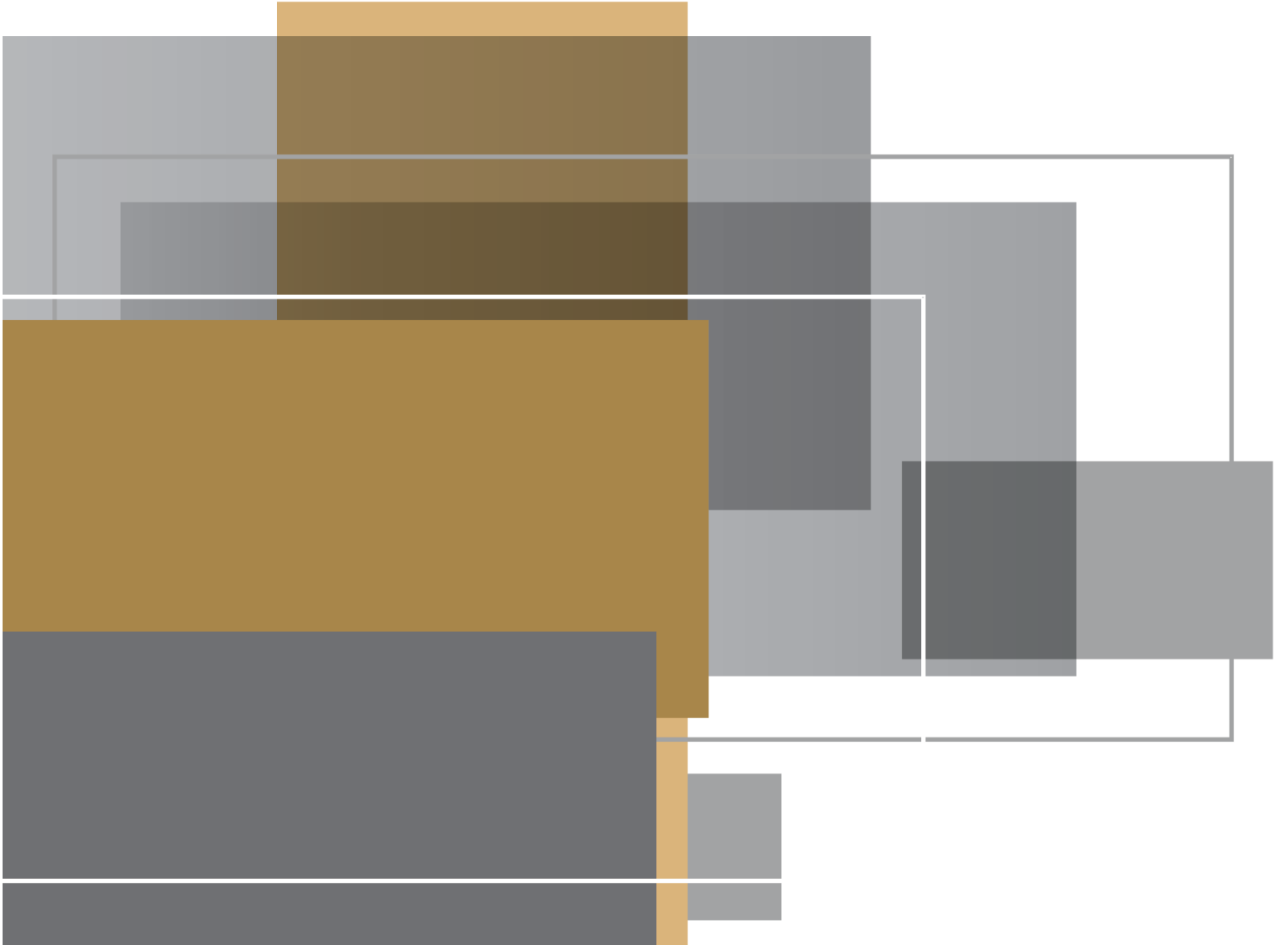


Table of content

| | |
|---|-----------|
| Table of content..... | 2 |
| Introduction | 4 |
| tigtag Platform | 5 |
| Introduction to Tigtag | 6 |
| Accessing TigTag through LMS..... | 7 |
| Tigtag Platform | 8 |
| Search..... | 8 |
| FIND LESSONS | 9 |
| MINDMAP | 9 |
| TOPICS..... | 13 |
| Tigtag jr Platform | 16 |
| Tigtag Junior Platform..... | 17 |
| Accessing Tigtag Junior through LMS | 18 |
| Tigtag Junior main page | 19 |
| How to access resources..... | 20 |
| The Mindmap view | 21 |
| Film List | 27 |
| Twig Platform..... | 28 |
| Introduction to Twig Platform | 29 |
| Different Types of Twig Films..... | 30 |
| Subjects..... | 30 |
| Accessing Twig through LMS..... | 31 |
| Twig Platform..... | 32 |
| Find films..... | 33 |
| Mindmap..... | 34 |
| List View | 39 |
| Experiments Packs | 42 |
| Science Glossary index..... | 47 |
| How to get there:..... | 47 |
| Science films in Arabic | 48 |

| | |
|--|-----------|
| Search View..... | 50 |
| Matific Platform | 53 |
| Introduction to Matific..... | 54 |
| What makes Matific unique? | 54 |
| Matific Content | 54 |
| Learn by Doing | 54 |
| Student Engagement..... | 54 |
| New Technology..... | 55 |
| Supports Multilingual Classes | 55 |
| No Internet? No Problem..... | 55 |
| Accessing Matific through LMS..... | 56 |
| Student screen | 58 |
| Solving activities:..... | 59 |
| McGraw-Hill ConnectED Platform..... | 60 |
| Introduction to McGraw-Hill ConnectED..... | 61 |
| Current Resources on McGraw-Hill ConnectED..... | 61 |
| Accessing ConnectED through LMS | 62 |
| xMcGraw-Graw Hill Student and Parent Resources | 63 |
| ConnectED..... | 68 |
| Resources | 69 |
| Homework..... | 70 |
| Help | 71 |
| Home..... | 71 |
| Glossary..... | 73 |
| Notebook | 74 |
| My Messages..... | 75 |

Introduction

The Ministry of Education seeks to diversify ways of learning for the Emirati school students, following in its methodology the best international practice, hence direct guidance comes to activate distance learning strategies in the process of student education and teacher training and development.

There is a variety of platforms that can be utilized in distance learning, and the Ministry of Education has approved many international online platforms to employ in the distance learning process. This guide will introduce students to multiple available platforms that they can access.



Tigtag platform

Introduction to Tigtag

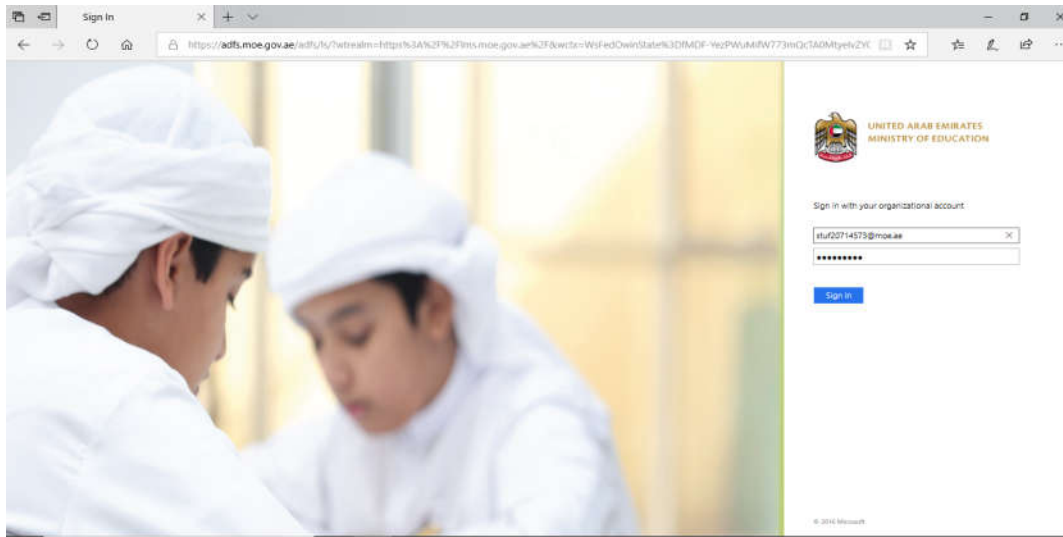
Tigtag is the complete science resource for primary schools. Designed for pupils aged 7-11. Tigtag meets the requirements of the curriculum. Complete with films, lesson plans, activities and quizzes, Tigtag offers everything you need to teach science in primary schools.

Accessing TigTag through LMS

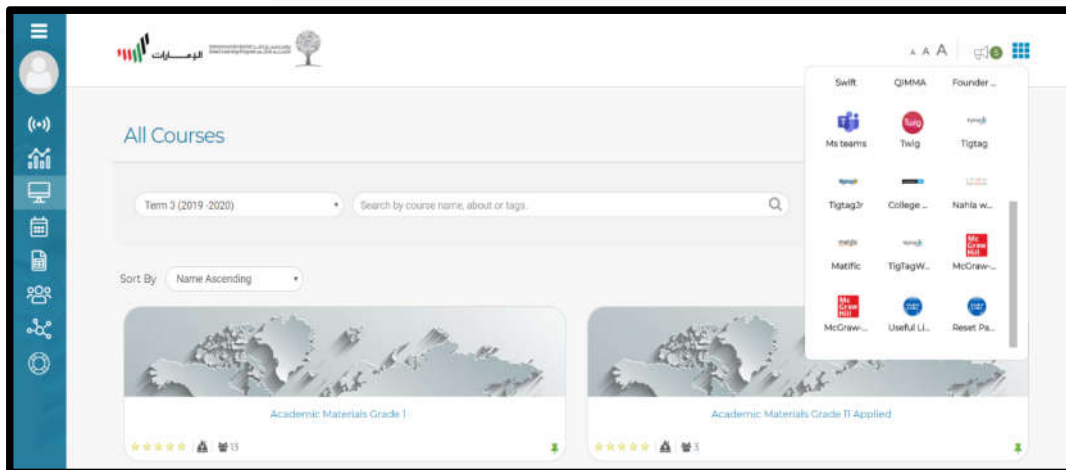
1. Access the smart learning portal via the following link;

<https://Lms.moe.gov.ae>

2. Enter your username and password

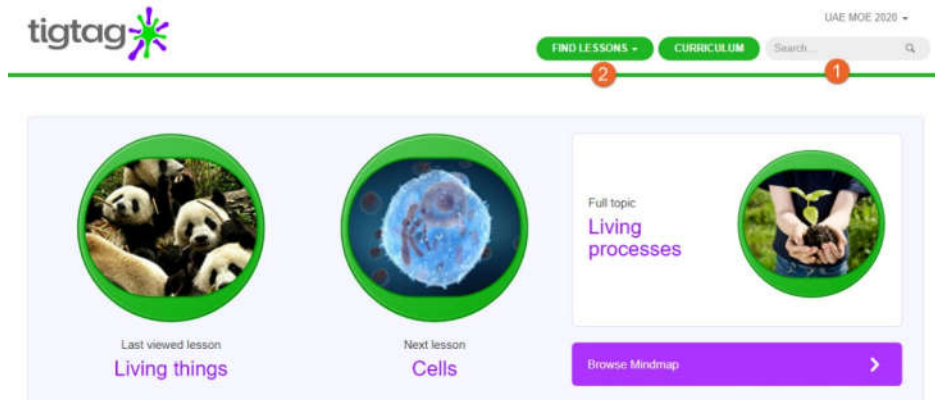


3. Open the list of platforms from LMS as shown in the picture below



4. Choose Tigtag.

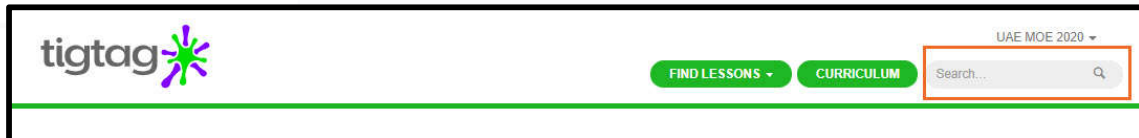
Tigtag Platform



1. Search
2. FIND LESSONS

Search

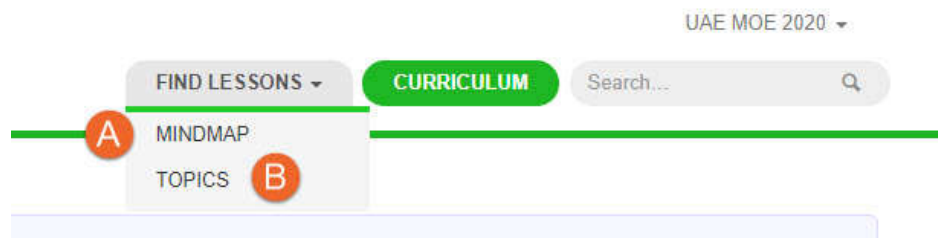
The search box allows you to search the tigtag site for relevant film content using keywords. This will provide results from curriculum, context and glossary films.



FIND LESSONS

To find lessons you have two options

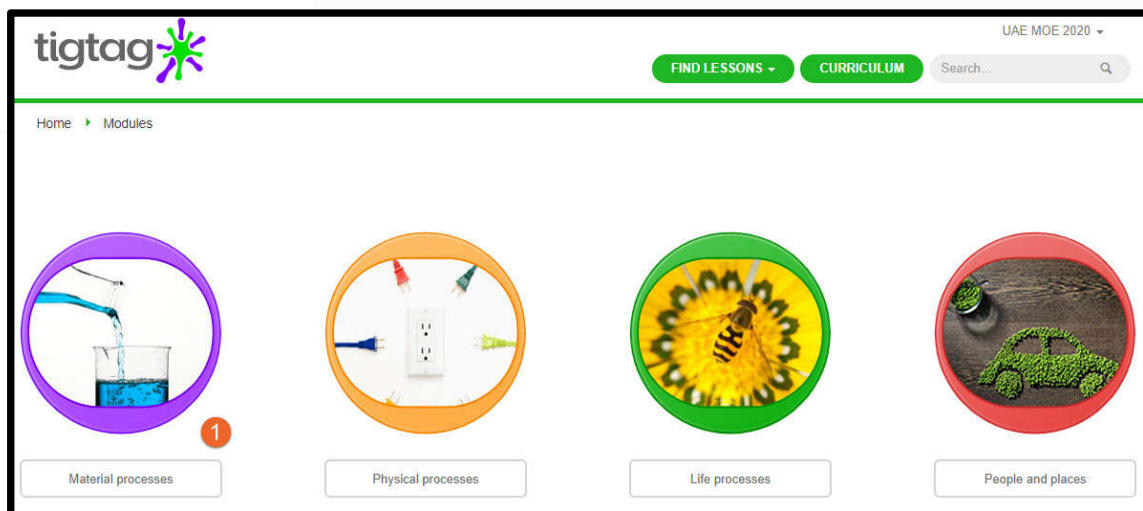
- A. MINDMAP
- B. TOPICS



First we will identify Mind map approach:

MINDMAP

- 1) Click on the Find Films tab in the header, then select Mindmap view from the drop-down list, then select the module you are interested in (e.g. Material Processes)



Material Processes

Physical processes

Life Processes

People and Places

- 2) You will see a selection of topics.
 Select: Solids, liquid and gases

The screenshot shows the Tigtag website interface. At the top left is the Tigtag logo. To the right, there are navigation buttons for 'FIND LESSONS' and 'CURRICULUM', and a search bar. Below the navigation is a breadcrumb trail: Home > Modules > Material processes. The main content area displays four circular topic cards:

- Solids, liquids and gases**: Features an image of an iceberg with a red '2' badge.
- Changing materials**: Features an image of a child in a lab coat with test tubes.
- Classifying materials**: Features an image of stacked stones.
- Separating mixtures**: Features an image of a mixture of small particles.

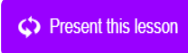
- 3) You will then be shown a selection of Lessons.
 Select: Liquids lesson

The screenshot shows the Tigtag website interface after selecting 'Solids, liquids and gases'. The breadcrumb trail is: Home > Modules > Material processes > Solids, liquids and gases. The main content area displays six circular lesson cards:

- Solids**: Features an image of a colorful cube.
- Liquids**: Features an image of water splashing, with a red '3' badge.
- Gases**: Features an image of hot air balloons.
- Changes of state**: Features an image of a child holding an ice cream cone.
- Characteristics of water**: Features an image of a single water droplet.
- Characteristics of air**: Features an image of a red kite flying in the sky.

- 4) You are then taken to the lesson page showing a variety of education resources such as:
- a) Curriculum and context videos
 - b) Puzzles

The screenshot shows the Tigttag website interface. At the top left is the Tigttag logo. To the right are navigation buttons for 'FIND LESSONS' and 'CURRICULUM', and a search bar. Below the navigation is a breadcrumb trail: Home > Modules > Material processes > Solids, liquids and gases > Liquids. The main heading is 'Liquids'. On the right side, there is a purple button labeled 'Present this lesson'. Below the heading, there are two video thumbnails: 'Everyday liquids' (2 mins 54 secs, curriculum video) and 'Very strange liquids' (2 mins 55 secs, context video). Below these are four puzzle thumbnails: 'Jigsaw Puzzle' (34 secs), 'Did you know?' (50 secs), 'Spot the...' (1 min 13 secs), and 'What's that noise?' (36 secs).

Note : When you click the purple button () on the right top of the page. This will reveal an engaging, whiteboard-friendly interface with all the films and learning materials you'll need for the lesson.

Liquids



Videos

Visuals

Catch the Tigtag

Review Questions

Quiz



Everyday liquids



Very strange liquids



Jigsaw Puzzle



Did you know?



Spot the...



What's that noise?



To view the sections on the the lesson



To to go back

TOPICS

1. Click on 'FIND LESSONS'
2. Select 'TOPICS'



UAE MOE 2020

1

FIND LESSONS ▾

CURRICULUM

Search...



2

MINDMAP

TOPICS

3. Select the unit (Solids, liquids and gases)



UAE MOE 2020

FIND LESSONS ▾

CURRICULUM

Search...



Material processes

- ▶ Solids, liquids and gases **3**
- ▶ Changing materials
- ▶ Classifying materials
- ▶ Separating mixtures



Physical processes

- ▶ Energy and energy transfer
- ▶ Electricity and magnetism
- ▶ Force and motion
- ▶ Light
- ▶ Sound
- ▶ The Earth and beyond



Life processes

- ▶ Living processes
- ▶ Body systems
- ▶ Green plants
- ▶ Living things in their environments
- ▶ Variation and classification
- ▶ Humans and other animals



People and places

- ▶ Environmental awareness and care
- ▶ Future of energy
- ▶ Human impact on the environment
- ▶ Physical geography
- ▶ Human geography
- ▶ Mapping

4. Select the lesson (Liquids)



FIN



Material processes

- ◀ Back
- ▶ Solids
- ▶ Liquids **4**
- ▶ Gases
- ▶ Changes of state
- ▶ Characteristics of water
- ▶ Characteristics of air



Physical processes

- ▶ Energy and energy transfer
- ▶ Electricity and magnetism
- ▶ Force and motion
- ▶ Light
- ▶ Sound
- ▶ The Earth and beyond



Life

- ▶ Living processes
- ▶ Body systems
- ▶ Green plants
- ▶ Living things
- ▶ Variation and evolution
- ▶ Humans and health

5. Educational material will be viewed

The screenshot shows a digital learning interface for the topic 'Liquids'. At the top left, the word 'Liquids' is displayed in purple. In the top right corner, there is a purple button with a circular arrow icon and the text 'Present this lesson'. Below the title, there are two rows of activity cards. The first row contains two video cards: 'Everyday liquids' (2 mins 54 secs, curriculum video) and 'Very strange liquids' (2 mins 55 secs, content video). The second row contains four smaller activity cards: 'Jigsaw Puzzle' (34 secs), 'Did you know?' (50 secs), 'Spot the...' (1 min 13 secs), and 'What's that noise?' (24 secs). Each card features a circular icon representing the activity. Below the activity cards, there is a 'Filter' section with two radio buttons: 'All lesson materials' (selected) and 'One-hour lesson'. To the right of the filter is a purple button labeled 'Print all lesson materials'. Below the filter are three light blue buttons with right-pointing arrows: 'Learning objectives', 'Key teaching points', and 'What you need to know'. At the bottom left of the interface, the word 'Activities' is written in purple.

The logo for Tigtag jr features the word "tigtag" in a bold, blue, rounded font with a dark grey outline, followed by "jr" in a bold, yellow, rounded font with a dark grey outline. The background is a dark grey gradient with several overlapping, semi-transparent white rectangular shapes of varying sizes and positions, creating a layered effect.

tigtag jr

Tigtag jr Platform

Tigtag Junior Platform

Tigtag Junior is an interesting website that provides a variety of interactive resources which include games, videos, visuals, and quizzes.

You can enjoy watching the videos, playing games, and answering the quizzes in a fun way. In this manual, we will show you how to learn with Tigtag Junior.

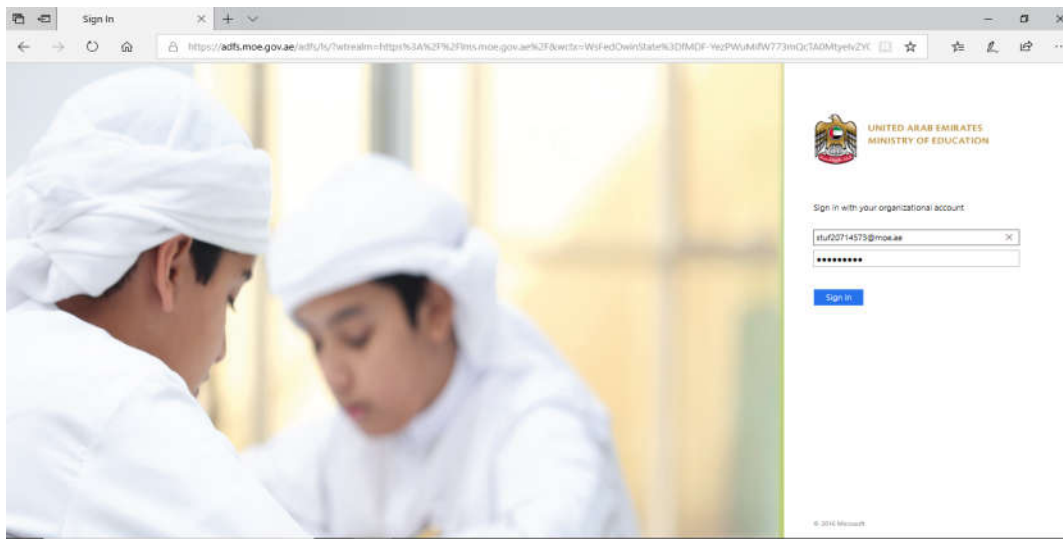


Accessing Tigtag Junior through LMS

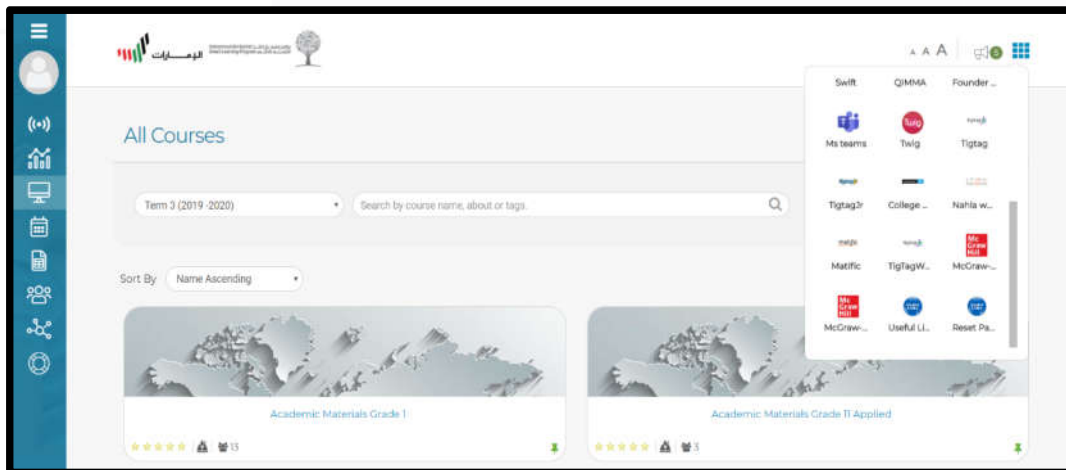
1. You can access the smart learning portal via the following link;

<https://Lms.moe.gov.ae>

2. Enter your username and password



3. Open the list of platforms from LMS as shown in the picture below



4. Choose Tigtag Jr.

Tigtag Junior main page

The screenshot shows the Tigtag Junior main page. At the top, there is a navigation bar with the Tigtag Jr logo, a search bar, and two tabs labeled 'A' (Find Lessons) and 'B' (About). Below the navigation bar, there are several featured content blocks:

- Recent lessons:** Three circular thumbnails for 'How do animals move?', 'Grouping animals', and 'Animal kingdom'.
- Featured lesson: What's inside the Earth?** A text-based lesson with a small image of the Earth.
- Topical science: Recycling mattresses** A text-based lesson with a small image of a recycling bin.
- Explore Tigtag Junior:** A section with three sub-blocks:
 - Mindmap (C):** A circular diagram showing relationships between topics.
 - List view (D):** A grid of lesson thumbnails.
 - Film list (E):** A grid of film thumbnails.

At the bottom of the page, there is a yellow footer bar with links for: Contact, How to use Tigtag Junior, How we make our films, FAQs, Credits, Accessibility, Privacy policy, Terms & Conditions, and Subscription agreement.

On the main page you can find the following tabs and links:

- A** Find lessons
- B** information about Tigtag Junior
- C** Mindmap view of the resources
- D** List view of the resources
- E** Film list

How to access resources.

- You can access resources from the FIND LESSONS tap.
- When you click on the find lesson tap, a short drop list opens:
 1. MINDMAP
 2. TOPICS



You can also access the lesson from “Mind map” Or “List view”. Both ways lead to the same result.

There are lots of ways to explore Tigtag Junior

Mindmap

Explore the Mindmap with your class to see how topics relate to one another

List view

See a list of all Tigtag Junior's modules, topics and units

Film list

View and download Tigtag Junior's complete film catalogue

The Mindmap view

The Mindmap makes it easy for you to find resources for your next lesson.

It's organized into three modules.

Each module contains four topics.

Each topic contains four lessons.

Click the module, topic and lesson matched to what you want to study

There are lots of ways to explore Tigtag Junior

Mindmap



Explore the Mindmap with your class to see how topics relate to one another

List view



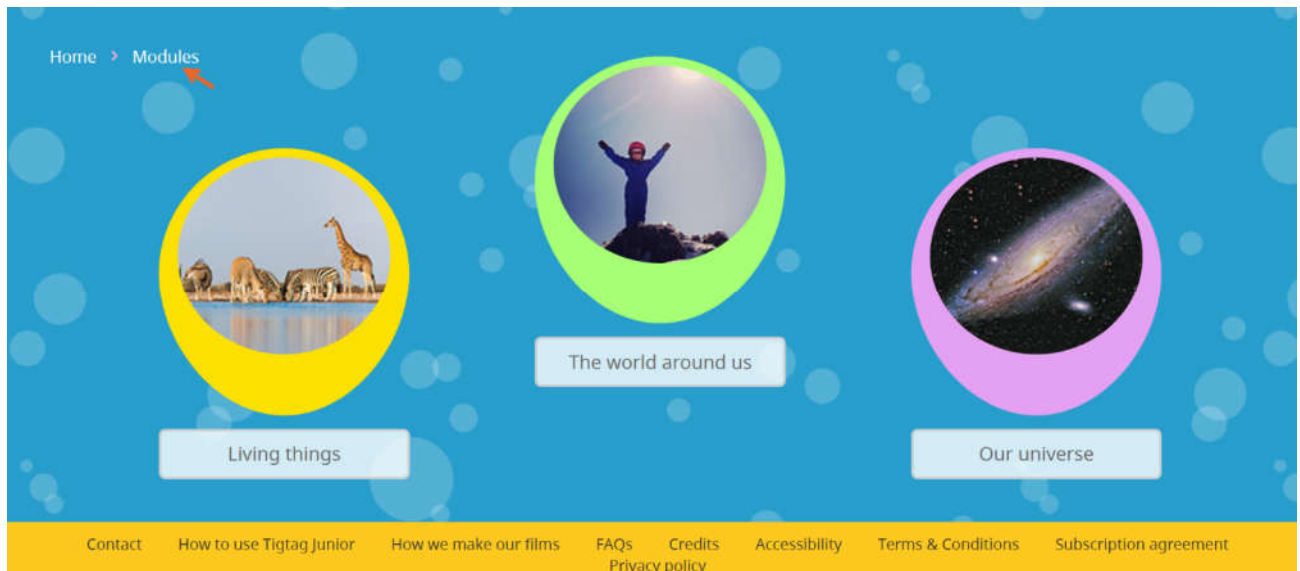
See a list of all Tigtag Junior's modules, topics and units

Film list



View and download Tigtag Junior's complete film catalogue

- There are three modules. Click on any of them to view the topics.



Home > Modules

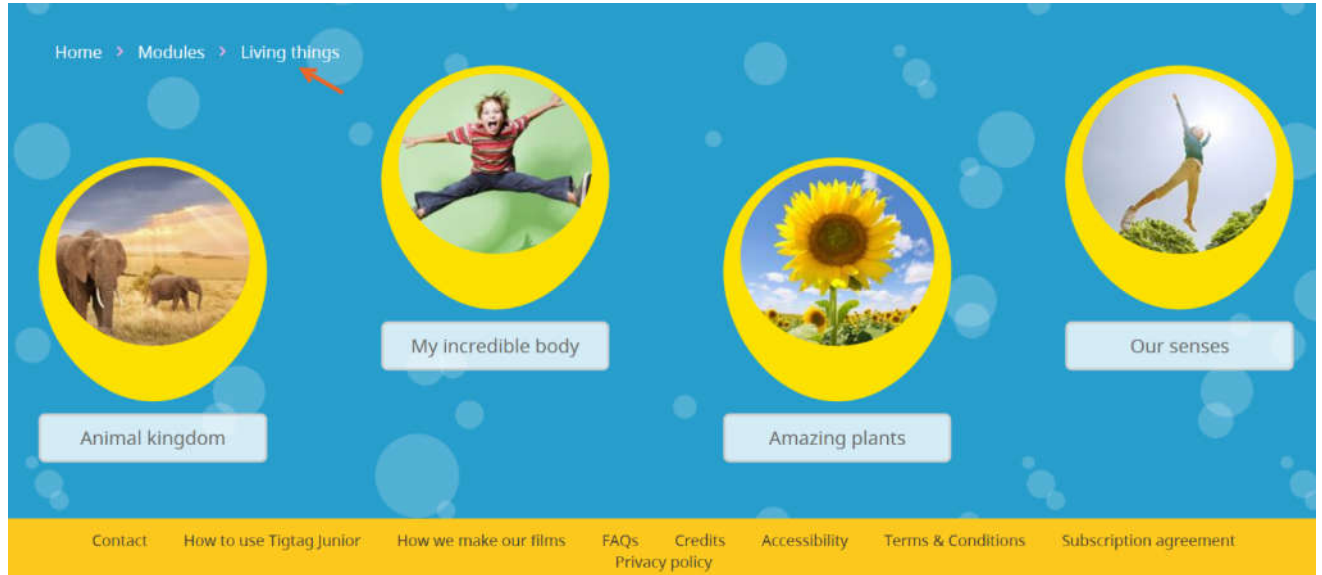
Living things

The world around us

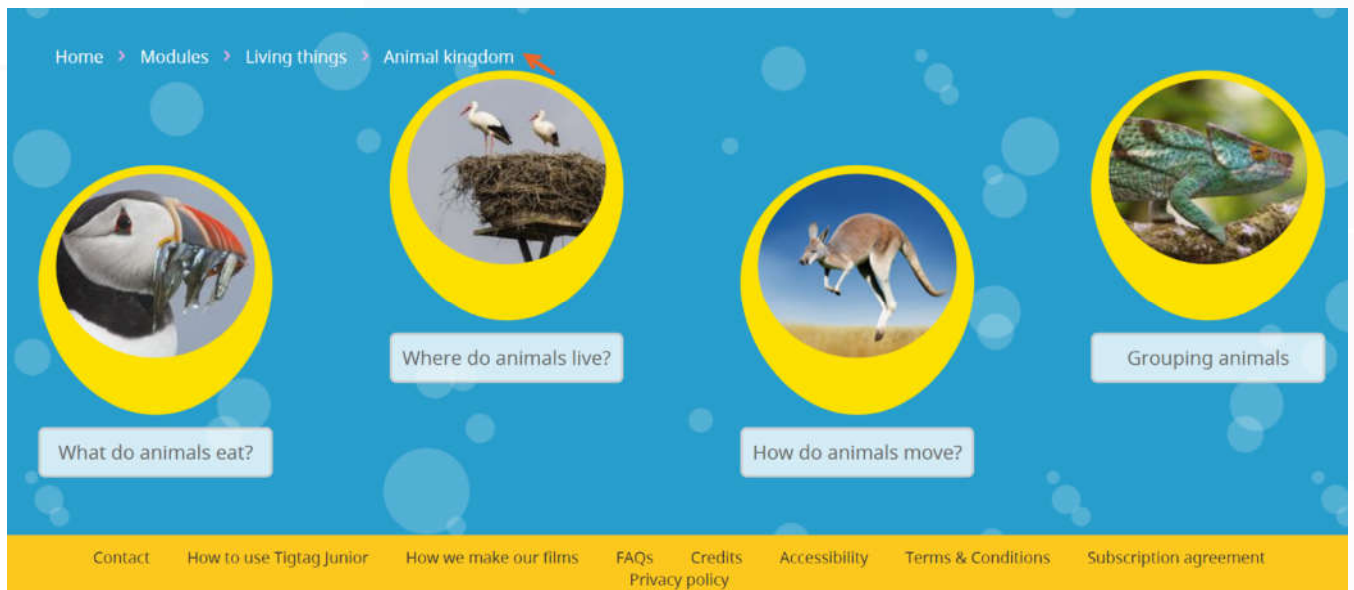
Our universe

Contact How to use Tigtag Junior How we make our films FAQs Credits Privacy policy Accessibility Terms & Conditions Subscription agreement

- There are 4 topics in a module. Click on one of them to view the lessons.



- Click on a topic to view the lessons.



- There are four lessons in a topic. Click on any of them to view the content.

Home > Modules > Living things > Animal kingdom > What do animals eat?

What do animals eat?

6 Present this lesson

1 **Peregrine falcon**
1 min 47 secs

2 **What do animals eat?**
2 mins 57 secs

3 **Visuals**

4 **Game**

5 **Quiz**

1 Video 1

2 Video 2

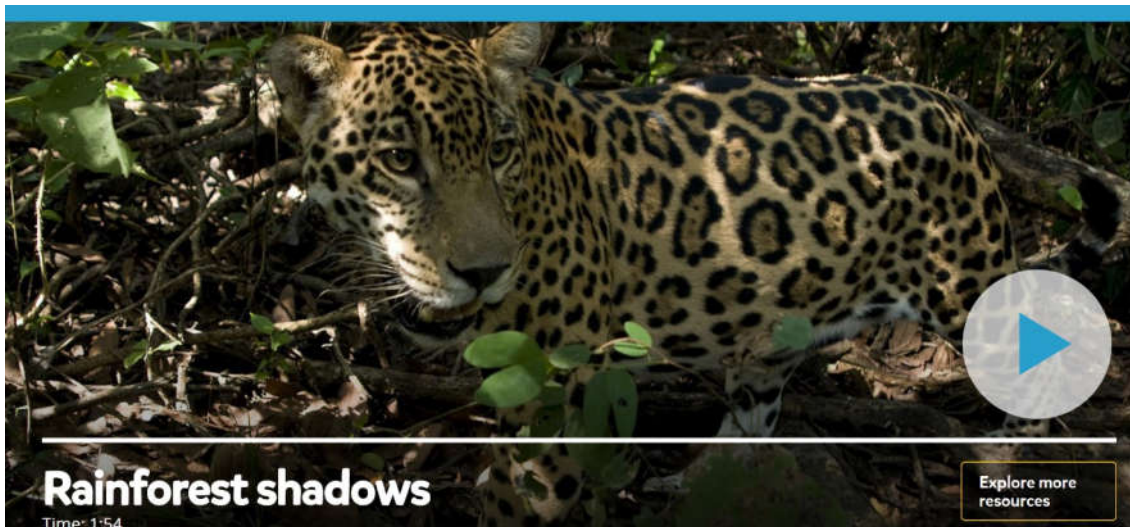
3 Visuals

4 Game

5 Quiz "self assessment"

6 You must click here see more information about the vides, play the game and do the quiz.

- Click on “Present this lesson” and click on the video to watch it. Under the video, there is more information about it.



Transcript

Argentina

In this rainforest in Argentina, a hunter is on the prowl!

This is a jaguar – and it hunts other animals by sneaking up on them.

jaguar

But how does it get close enough without being seen?

It uses shadows.

All year long the rainforest gets lots and lots of bright sunlight.

But down on the ground

it is dark.

This is because only a very small amount of sunlight actually reaches the ground.

Most of the sunlight is blocked by leaves and branches.

This creates lots of shadows on the forest floor

the perfect hiding place for a jaguar!

The jaguar's coat is covered in light and dark patches.

They look a bit like shadows!

Thanks to his shadowy coat, the jaguar can be hard to see in the rainforest.

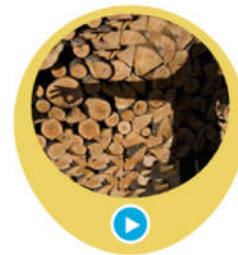
Video info

Trees in the rainforest create shadows and animals use the shadows to hide!

Learning points

- A shadow is an area where light cannot reach.
- This means that shadows form wherever light is blocked.

Related videos



- Click on “Game” and follow the instructions to play. Your teacher will help you

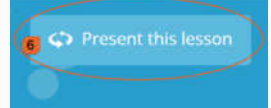
Game

< All lesson materials

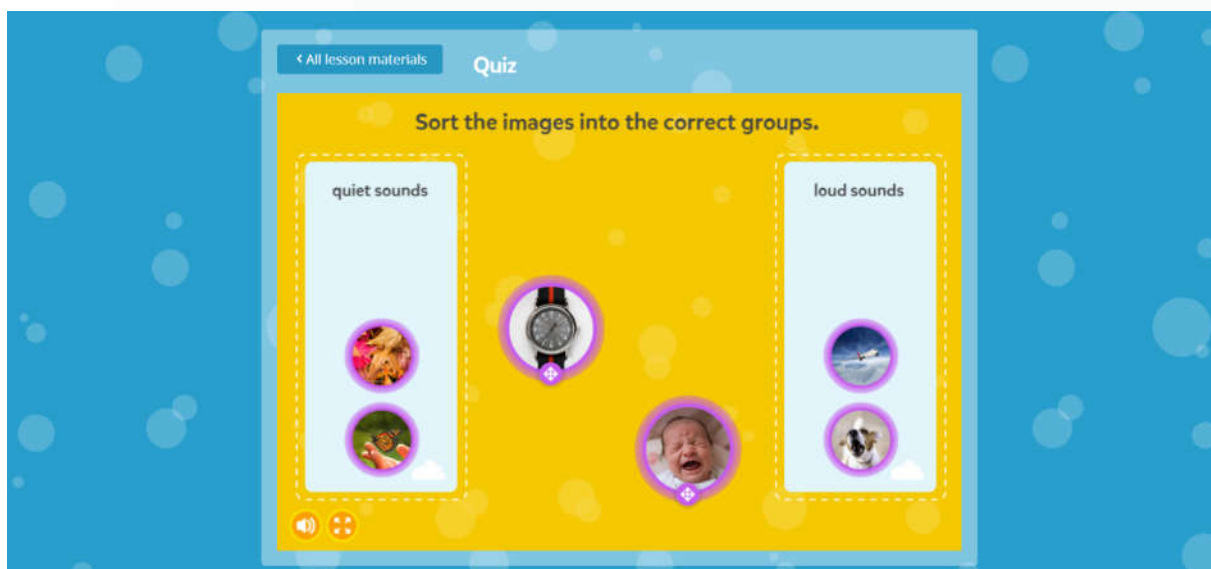


- Ask your class to make a noise that matches the picture.
- Play the audio to see if they're correct.

- Click On “Quiz” to take the quiz. Make sure you click on “Present this lesson”.





When your answer is correct, you will see a green tick mark





- Your teacher will sometimes give you worksheets to answer.

tigtag jr

| sound test | observation |
|--|--------------------|
| whispering | |
| humming | |
| singing | |
| high sound | |
| low sound | |
| string pulled tight  | |
| string hanging loose  | |

Film List

The film list shows all the available content.



You can download the complete film catalogue from the main page



LIVE MODE 2020

NEW LESSONS

ABOUT

Search

Last viewed lesson
My skeleton

Next lesson
My heart

Full topic
My incredible body

Browse Mindmap

Featured lesson: What's inside the Earth?

When you jump up and down, what does the Earth feel like? It's hard, isn't it? That's because the surface of our planet, Earth, is made up of hard rock! But did you know that our planet is made up of four different layers? The Earth is made up of layers. The crust, mantle, outer core, and inner core. All the layers are different, and have different effects on the Earth. Learn more about what's below your feet in our lesson: **What's inside the Earth?**

Topical science: Recycling mattresses

Zaatari Refugee Camp is home to people who had to leave their countries due to war. It's difficult for them to grow food, because there's not much water. However, there are lots of old foam mattresses. Now, scientists are helping people living in the camp to grow plants in the foam! The foam is placed in cups and soaked in water, which the plants need to survive. Because the foam doesn't dry out as quickly as soil, less water is needed. Now people here can grow their own fresh food! Learn about how to recycle old things with Tigtag Junior film: **Recycling**.

There are lots of ways to explore Tigtag Junior

Mindmap

Explore the Mindmap with your class to see how topics relate to one another

List view

See a list of all Tigtag Junior's modules, topics and units

Film list

View and download





Twig Platform

Twig Platform

The Twig platform provides more than 1,700 educational films covering science subjects (chemistry, physics, biology and earth sciences), geography and mathematics, including 300 videos in English and 750 in Arabic, and provides more than 150 packages



for educational resources and more than 130 plans for math lessons. The platform provides interactive and real-world educational content, contributes to the development of critical thinking skills, and we note that content cannot be modified or reused outside the platform (copyright).

- Twig is an award-winning online teaching resource for 11-16-year-old brought to you by Twig World.
- Twig engages students through a unique catalogue of over 1,700 short films and additional supporting materials, enabling teachers to quickly introduce new topics, spark classroom debate or consolidate learning.
- Twig films cover Science, Geography and Math.
- Twig's supporting materials include thousands of additional activities, quizzes and other learning assets for teachers to easily integrate into their lessons.
- Twig supports and encourages 21st century skills in students – learning that is enquiry-based, contextual and visual.
- Twig inspires learners to explore and discover, think for themselves and understand the relevance of what they are being taught.

Different Types of Twig Films

Twig content supports curriculum teaching by delivering key curricula learning points within a short film specifically made for use in the classroom. There are several different types of film in Twig, including:

- Curriculum Films: Delivering key learning points.
- Context Films: Showing examples in the real world.
- Factpack Films: Graphics-based films, packed with amazing facts.
- Glossary Films: A visual dictionary of scientific words.
- Experiment Films: Real experiments in lab conditions.

Subjects

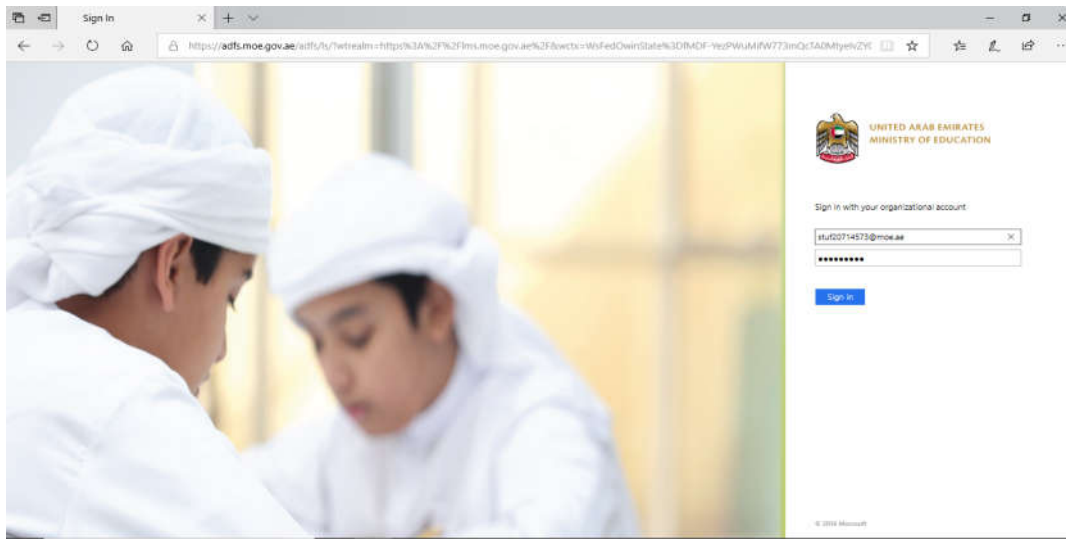


Accessing Twig through LMS

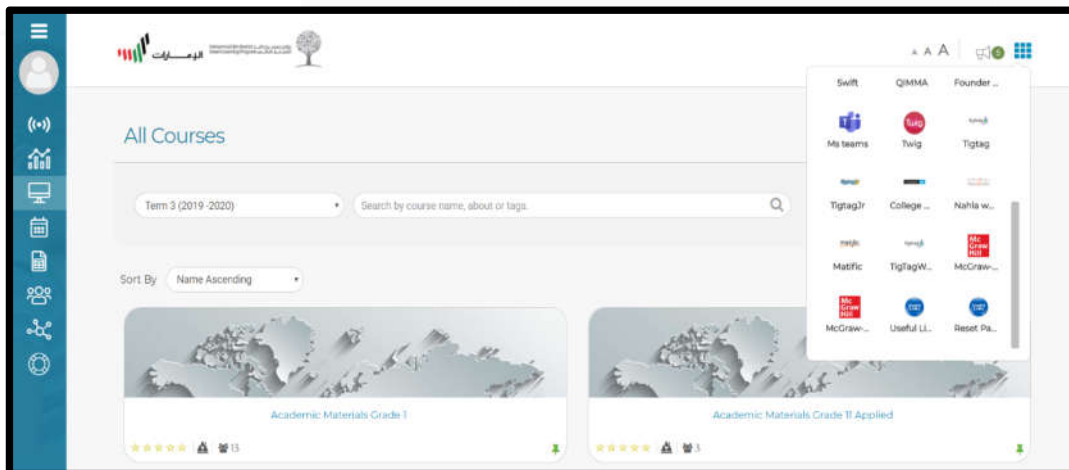
1. Access the smart learning portal via the following link;

<https://Lms.moe.gov.ae>

2. Enter your username and password

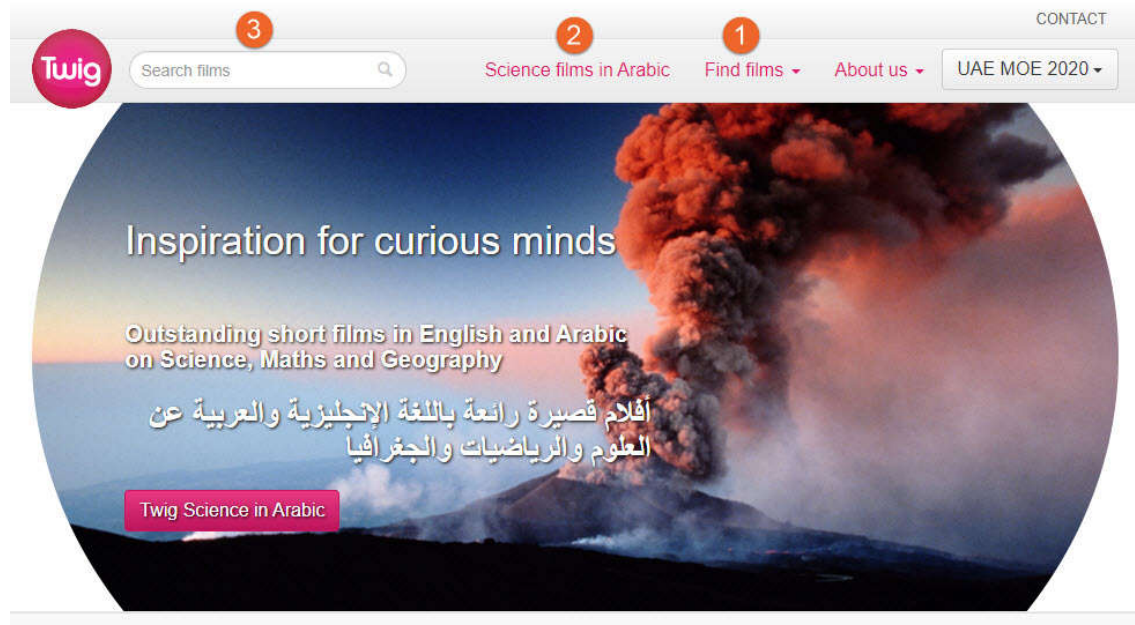


3. Open the list of platforms from LMS as shown in the picture below



4. Choose Twig.

Twig Platform



1. Find films
2. Science films in Arabic
3. Search films

Find films



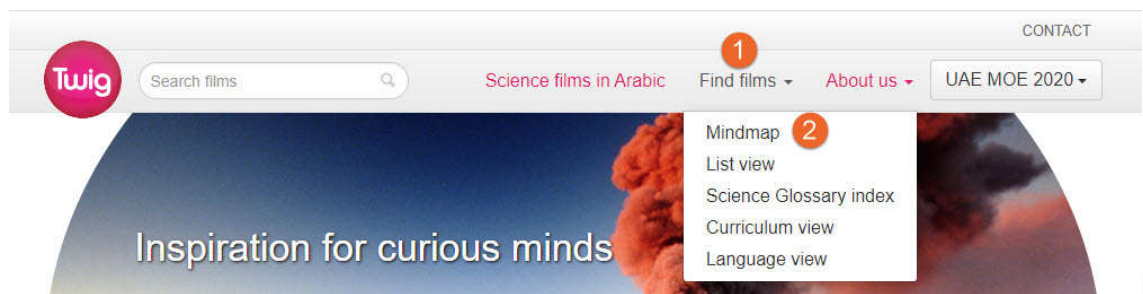
- a. Mindmap
- b. List view
- c. Science Glossary index

Mindmap

The unique Twig Mindmap allows you to navigate through different levels of content to reach a group of films.

How to get there:

1. Click on the Find Films tab in the header
2. Select Mindmap View from the drop-down list



Select the subject you are interested in

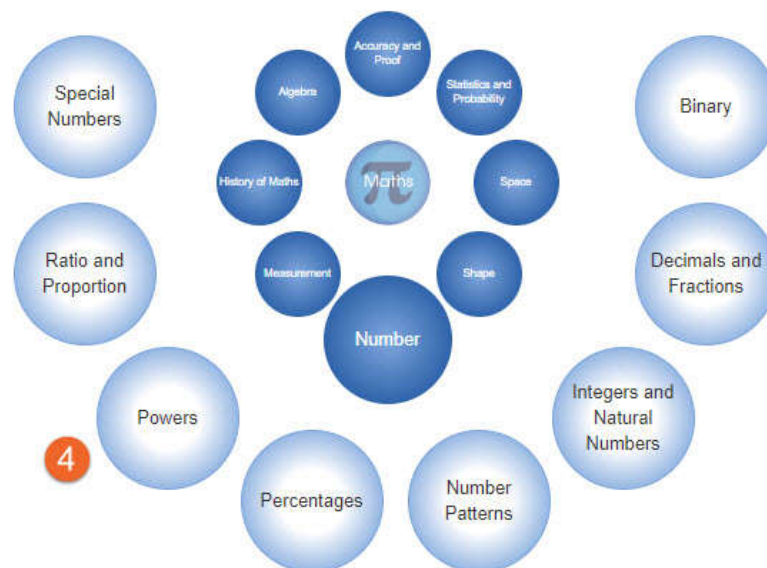


You will then be shown a selection of topics.

3. For example, if you select Math, you can view many topics to choose from, select "Number" topic, for example

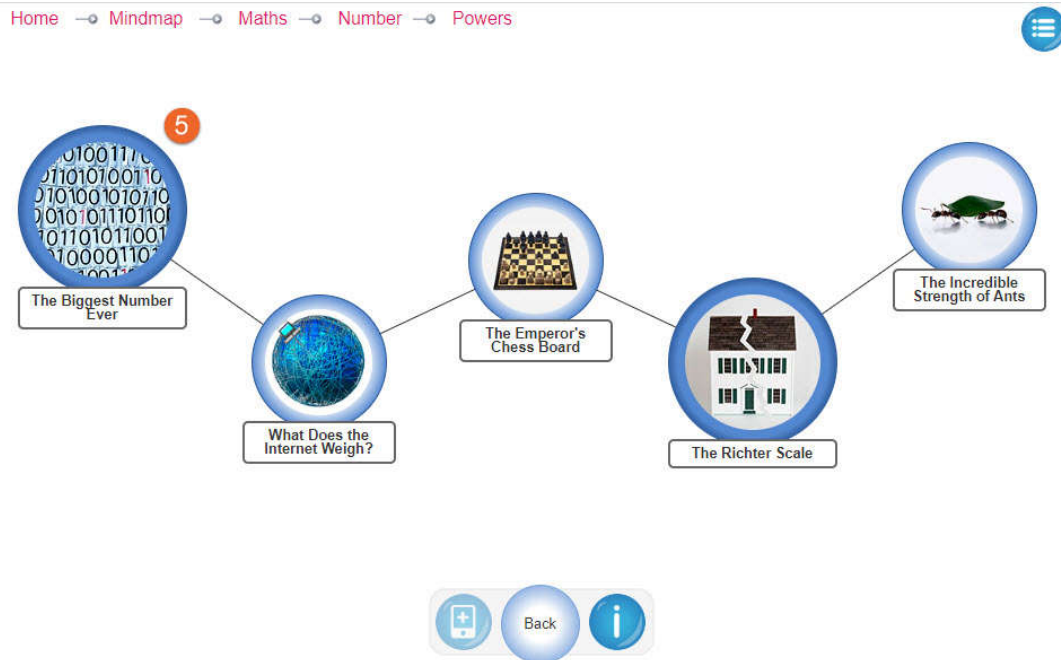


4. Select the topic you are interested in



5. You may then be shown a variety of units that are relevant to the topic. For example, if you selected Powers, you would be shown the titles of five different units.

Select the unit you are interested in



6. Select The Biggest Number Ever, then you could see the following materials



The Biggest Number Ever

Mindmap → Maths → Number → Powers

A **B** **C**

D **E** **F**

Film info Transcript Related films </>

Film info

Lesson plans
Download PDF
Download Word Doc

Worksheets
Download PDF
Download Word Doc

Diagram
Download diagram

- A. Film
- B. Worksheets
- C. Diagrams
- D. Film Info
- E. Transcript
- F. Related glossary films

Also there are additional resources in some lessons such as :

- G. Arabic Films
- H. Visuals
- I. Quiz
- J. Advanced quiz
- K. Learning Materials
- L. Learning Materials (PDF)



Mindmap → Biology → Plants → Energy and Growth

Classroom visuals **H**



Film info

Transcript

Related films

Related glossary films

</>

Film info

Film summary

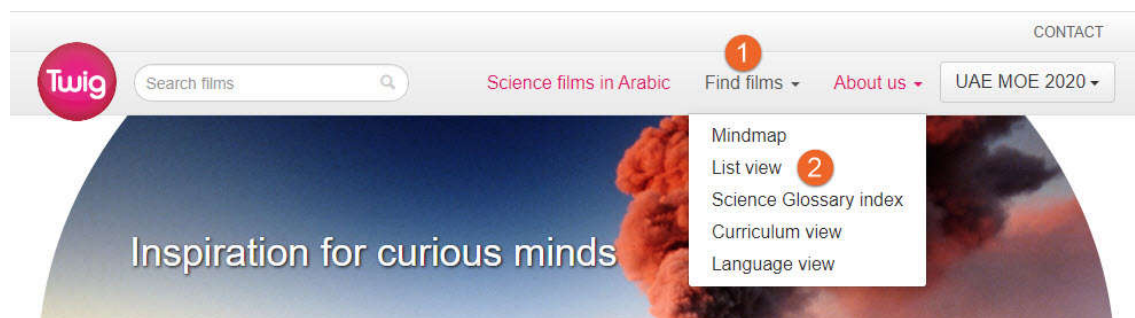
Journey into the chloroplast, where photosynthesis takes place, to learn how plants convert sunlight into usable chemical energy - one of the most vital processes on Earth.

List View

If you would prefer to see a list of the films available in a subject, you can use the List View

How to get there:

1. Click on the Find Films tab in the header
2. Select List View from the drop-down list



This display shows a list of all the subjects on Twig, modules within each subject and the topics covered in each module. When you select a topic and click on 'Films', each film is represented by an image and is accompanied by a short description.

Once you are there and from Biology subject

3. Choose the topic (Plants)
4. Choose the topic (Energy and growth)
5. Click on 'Films' to see the films relevant to the topic you are interested in

Films and learning materials



Biology

- Adaptation and Evolution
- Animal Kingdom
- Being Human
- Cells and DNA
- Ecosystems
- Healthy Living
- Human Body
- Plants
- Energy and Growth
 - Films
 - Learning materials
- Experiments
- Plant Life Cycles
- Plant Structure

3

4

5



Chemistry

- Atoms and Bonding
- Chemical Industries
- Periodic Table
- Reactions

Earth
Science

- Earth's Resources
- Geology
- Human Impacts
- Weather



Experiments

- Biology
- Chemistry
- Physics

Each film is represented by an image and is accompanied by a short description. For films that don't have a description click through to further relevant films in a different or deeper topic area.


6. Select the lesson (Photosynthesis)

CONTACT

Twig Science films in Arabic Find films About us UAE MOE 2020


Home → List → Biology → Plants → Energy and Growth

Photosynthesis 6




How do plants convert sunlight into usable energy, forming the basis of most food chains on Earth?

Plant Transport




From roots to leaves, discover the water and mineral transport systems in plants.

Tropisms and Hormones




Plants can grow towards light, towards water or downwards with gravity - but what dictates the direction of growth?

Parasitic Plants




The plants that steal from other plants in the fight for survival.

Carnivorous Plants



The extraordinary meat-eating plants that consume animal prey.

What Plants Need to Grow



We know plants need water and sunlight, but what other nutrients are vital for survival?

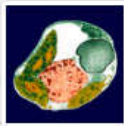
Back

7. Learning material will be shown


Standard English | Arabic

Mindmap → Biology → Plants → Energy and Growth


Classroom visuals 7



Plant Cell



Dahlia



Field of Sunflowers

Quiz
Advanced quiz
Learning materials

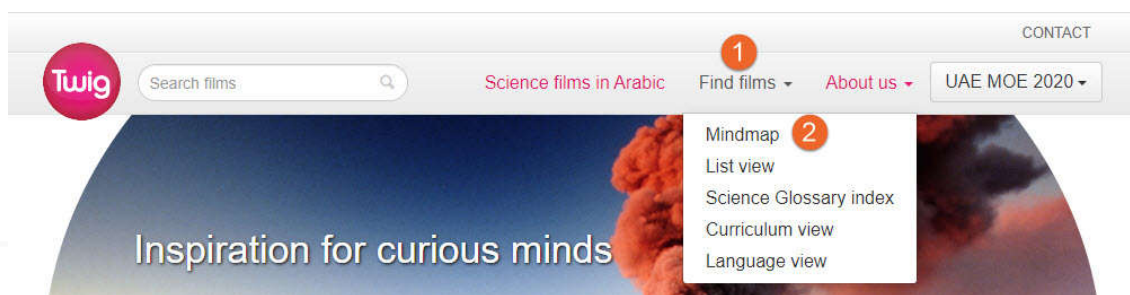
PDF ZIP

Film info Transcript Related films Related glossary films

Experiments Packs

Each Experiment Pack is accessed through Twig's Mindmap topic pages for Biology, Chemistry and Physics. The Experiment Packs cover a range of laboratory skills and techniques, while practically demonstrating curriculum-specific scientific learning points. Each experiment is presented in a clear and concise manner, maximizing understanding within a time-efficient and orderly classroom framework. Each Experiment Pack contains up to four films totaling 5 – 10 minutes duration – Setup, Method, Analysis and Application – offering the teacher the flexibility to design their own lesson to suit each class. The teacher can use the films to guide a class through a practical demonstration in its entirety, or they can choose to use individual films to enhance their class's experience of conducting their own practical work.

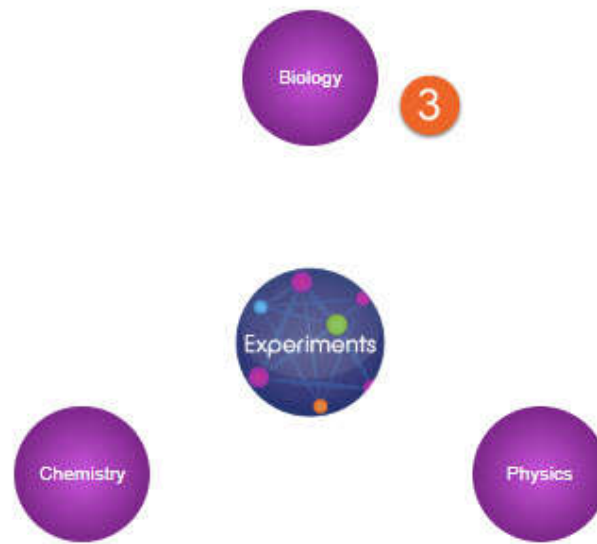
1. Click on find Films,
2. Click Mindmap



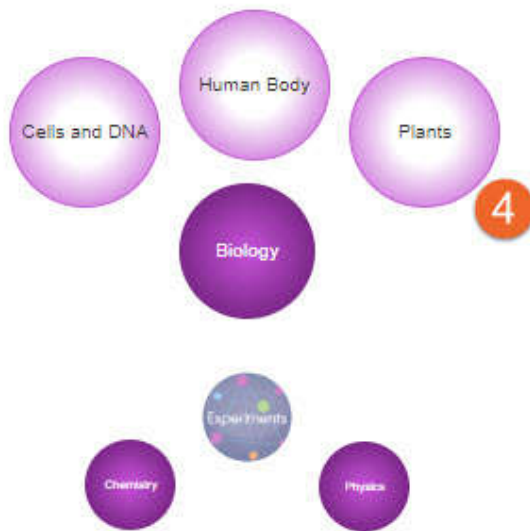
select Experiments



3. Select Biology

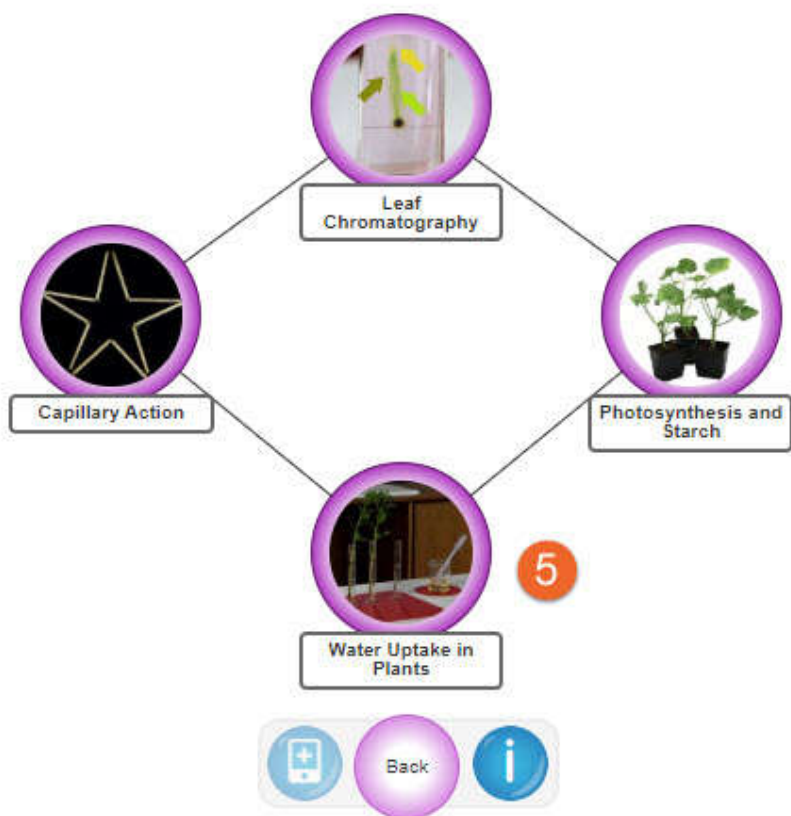


4. Select Plants



Experimental packs will appeared

5. Select Water Uptake in Plants



Water Uptake in Plants

Mindmap → Biology → Plants → Experiments



Disclaimer



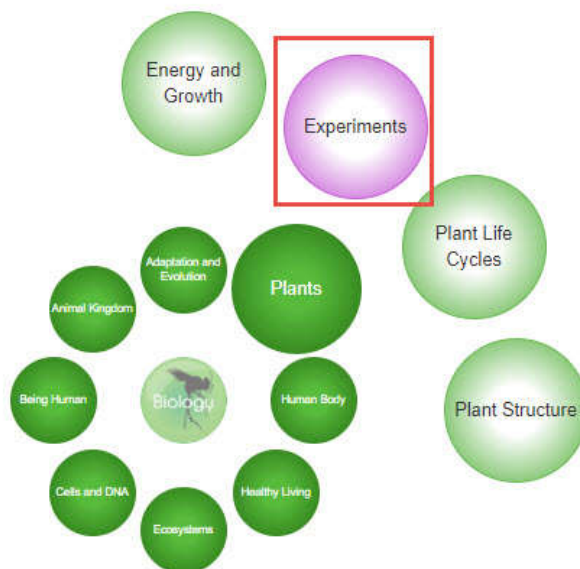
Rotate



Go back to Mindmap

- Each Experimental pack contains the following :
 - A. Experiment films
 - a. Setup
 - b. Method
 - c. Analyze
 - d. Application
 - B. Support material
 - a. Information
 - b. Experiments overview
 - c. Diagrams
 - d. Worksheets
 - C. Related films
 - D. Materials
 - E. Snapshots

Notice that the experiment pack is appeared in different color (purple) in mindmap view by selecting subject then topics



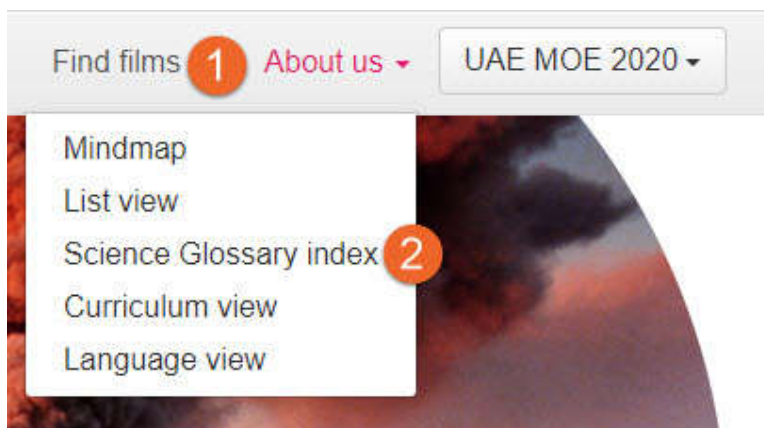
Also, in List view you can access to experiment packs



- ▶ Atoms and Bonding
- ▶ Chemical Industries
- ▶ Periodic Table
- ▶ Discovering Elements
- ▶ Experiments
- ▶ Metals
- ▶ Non-Metals
- ▶ Reactions

Science Glossary index

The Science Glossary contains 60-second film definitions of key scientific terms. They are listed in alphabetical order in the Science Glossary Index.



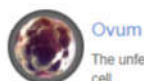
How to get there:

1. **Click** on the Find Films tab in the header
2. **Select** Science Glossary Index from the drop-down list

Science glossary films index



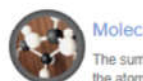
- 500+ key scientific terms visualised in stunning images and concise textual definitions
- Short 30 - 60 second films using memorable visual and written learning cues
- Clear and engaging. Twig Science Glossary reinforces the learning of key curriculum terms



Ovum

The unfertilised female reproductive cell.

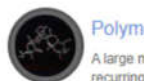
[View film](#)



Molecular weight

The sum of the atomic masses of all the atoms in a molecule.

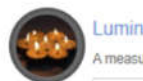
[View film](#)



Polymer

A large molecule consisting of recurring units.

[View film](#)



Luminance

A measure of light.

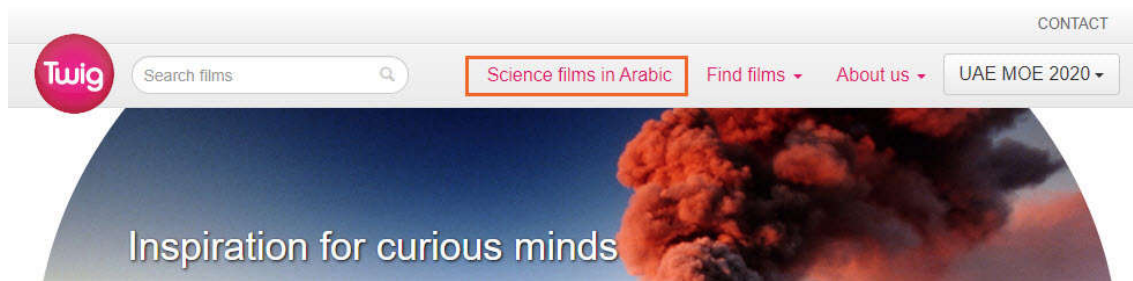
[View film](#)

To find a specific term, select the first letter of the word and scroll down to find the relevant film.

Science films in Arabic

Twig Education has a comprehensive list of Twig films and activities in Arabic. We cover the following subjects:

- Physics
- Chemistry
- Biology
- Earth Science



1- Select the Subject (physics)

- Physics **1**
- Chemistry
- Biology
- Earth Science

2- Select Mars: Search for water film

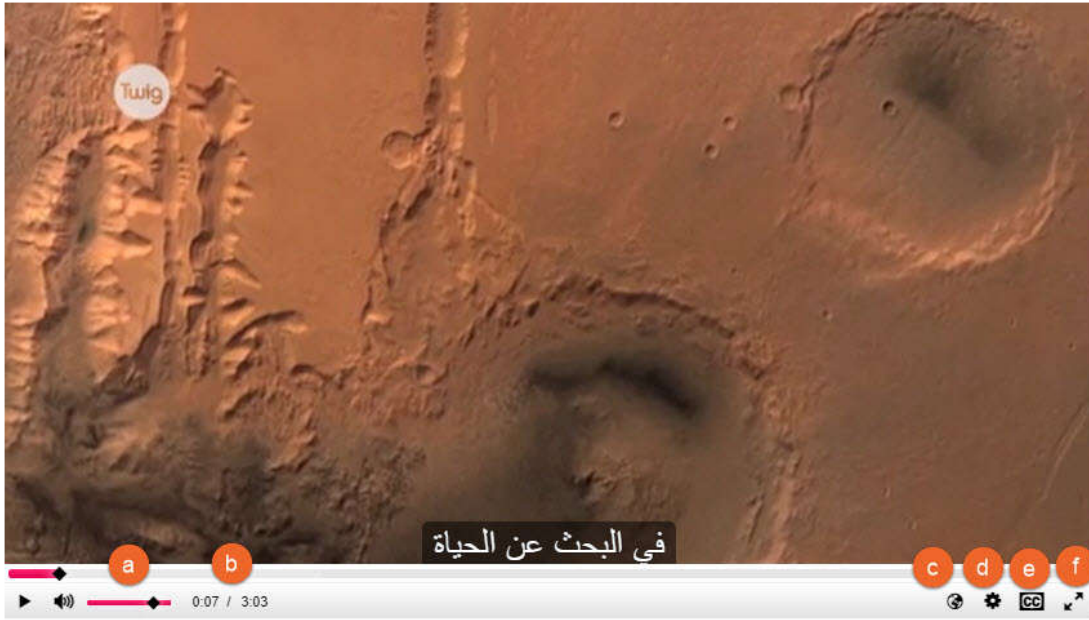
Curriculum Films with Arabic Voice

الليل والنهار
المريخ: الكوكب الميت
المريخ: البحث عن الماء
صائدو الكواكب
حجم الكون
نظرية الانفجار العظيم

2

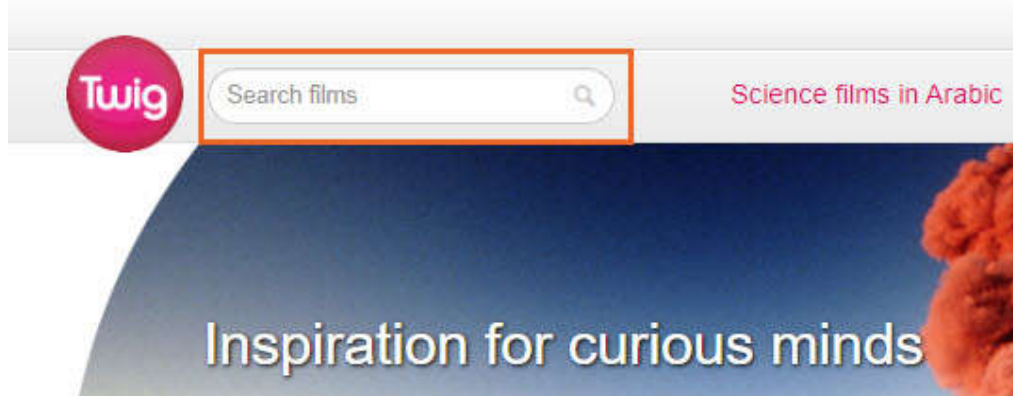
Day and Night
Mars: Dead Planet
Mars: Search for Water
Planet Hunters
Scale of the Universe
Big Bang Theory

Mars: The Search for Water



- Audio volume
- Time
- Voice language (English / Arabic)
- Video Quality (High – Medium – Low)
- Captions (Off – English – Arabic)
- Full Screen

Search View

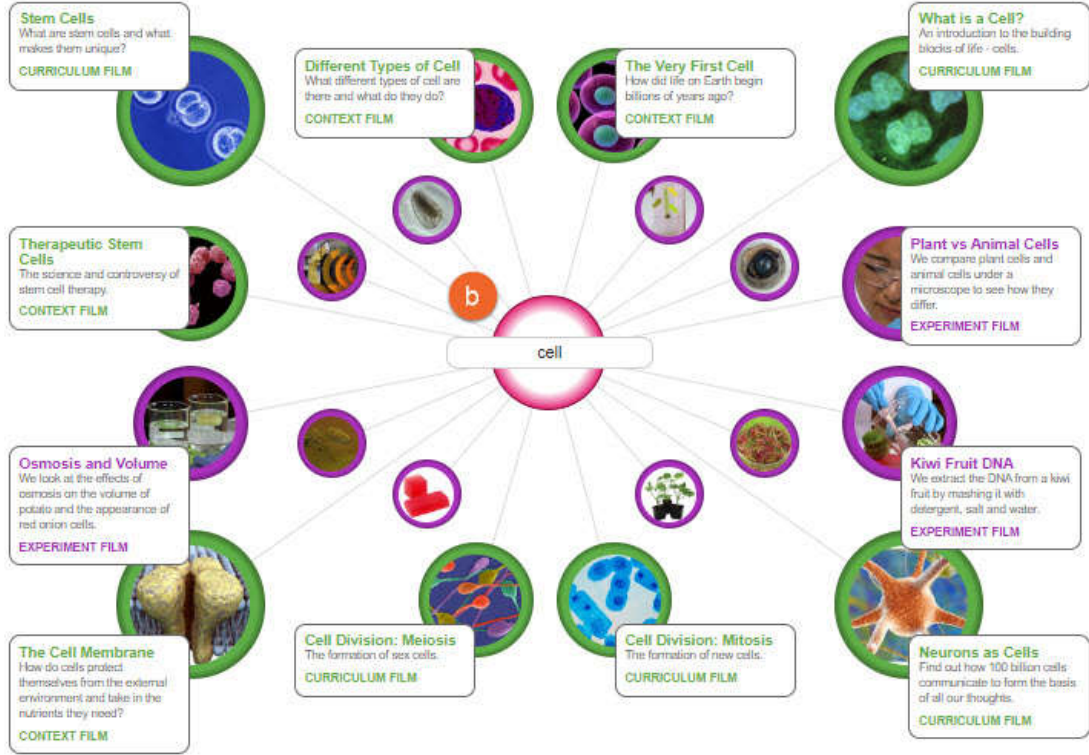


The Search Box allows you to search the Twig site for relevant film content using keywords. This will provide results from curriculum, context and glossary films.

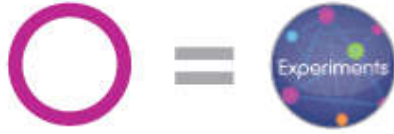
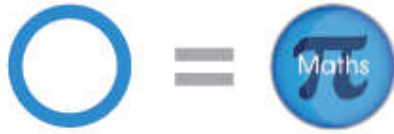
How to get there:

- a. **Enter** a search term into the Search Box in the top-left of the screen. You can use the auto-complete function to click on the correct search term
- b. The search results will show all the films that include the search words in their transcript, onscreen text, short description or key facts. Each image represents a film, with the title appearing underneath.
- c. To change the view

Twig Science films in Arabic Find films About us UAE MOE 2020



Subject Key





Matific Platform

Introduction to Matific

The Matific platform provides more than 2,000 educational videos in both Arabic and English targeting the mathematics curriculum and provides a learning experience with gameplay. Matific is designed by educators to facilitate the teaching and education of mathematical concepts for elementary school students. It allows students to learn through an educational platform that fits in the classroom curriculum and supports students' mathematical control through a fun and thought-provoking style.

What makes Matific unique?

Matific Content

- Carefully created real-world stories
- Develops problem solving mindset
- Evidence-based, supported by research
- Student-centered learning



Learn by Doing

- Hands-on learning
- Interact mathematically
- Deep conceptual understanding
- Use virtual manipulatives



Student Engagement

- Real-world, meaningful examples
- Gamified motivators
- Positive environment, learn by trial & error
- Inviting graphics, multiple tries & answers



New Technology

- HTML5 & new technologies
- Works on any device, including mobile
- Connects to any browser
- Integrates with other technologies



Supports Multilingual Classes

- Available in 40+ languages
- Students toggle between languages
- Resources in many languages
- Parent reports in their native language



No Internet? No Problem.

- Matific offline mode allows access to Maths
- Syncs work performed once connected again
- Strengthens the home-school connection
- Teachers can use homework assignment feature

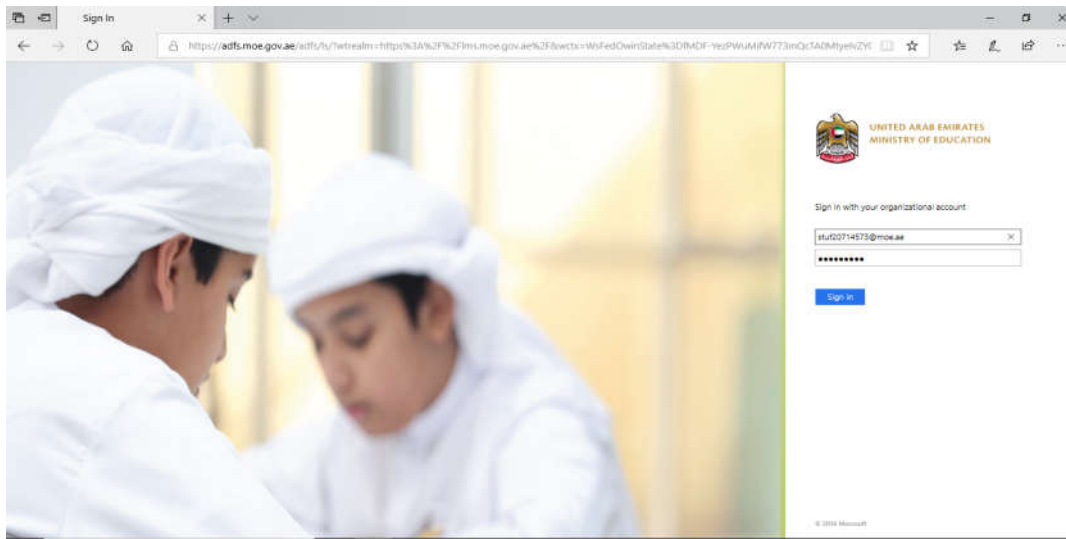


Accessing Matific through LMS

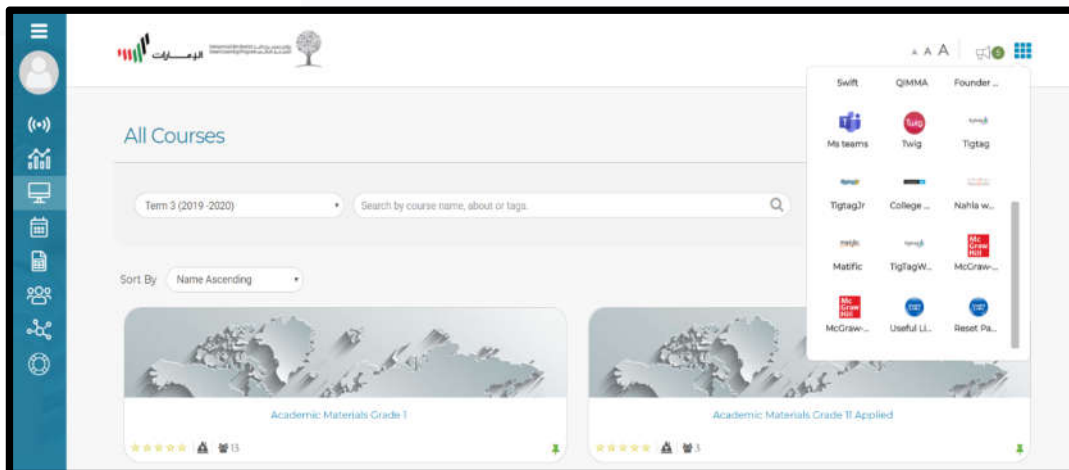
1. Access the smart learning portal via the following link;

<https://Lms.moe.gov.ae>

2. Enter your username and password

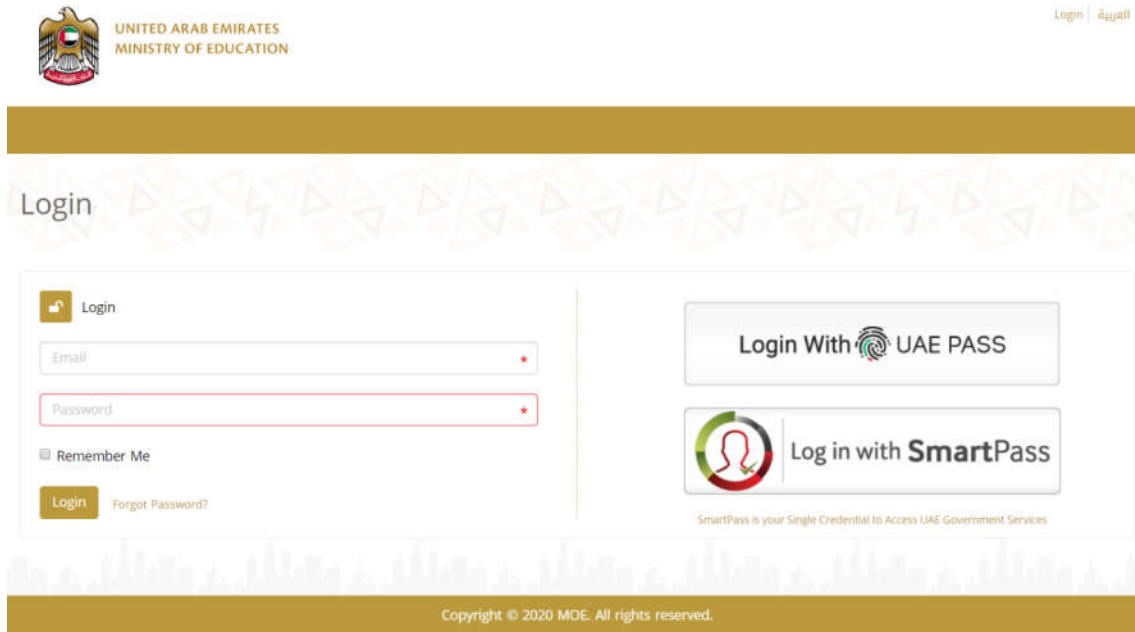


3. Open the list of platforms from LMS as shown in the picture below



4. Choose Matific.

5. Enter your Ministry of Education credentials (e-mail address and password)
6. Click on “login”.



The screenshot shows the login interface for the United Arab Emirates Ministry of Education. At the top left is the national emblem and the text "UNITED ARAB EMIRATES MINISTRY OF EDUCATION". At the top right, there are links for "Login" and "العربية". The main content area features a "Login" heading and a form with the following elements:

- A "Login" button with a key icon.
- An "Email" input field with a red asterisk.
- A "Password" input field with a red asterisk.
- A "Remember Me" checkbox.
- A "Login" button and a "Forgot Password?" link.
- A "Login With UAE PASS" button.
- A "Log in with SmartPass" button, which includes a SmartPass icon and the text "SmartPass is your Single Credential to Access UAE Government Services".

At the bottom of the page, there is a copyright notice: "Copyright © 2020 MOE. All rights reserved."

Student screen

The main screen of the student consists of:



1. "Schoolwork": to review the homework.
2. Show or hide activity titles.
3. Choose the introduction window.
4. Mute or activate the sound.
5. Move your cursor in the direction of your activities of choice.

Solving activities:

Click on the chosen activity. You will see a window containing the following activities:

£7 £6 £4
 £2 £8 £9
 £2 £1 £3

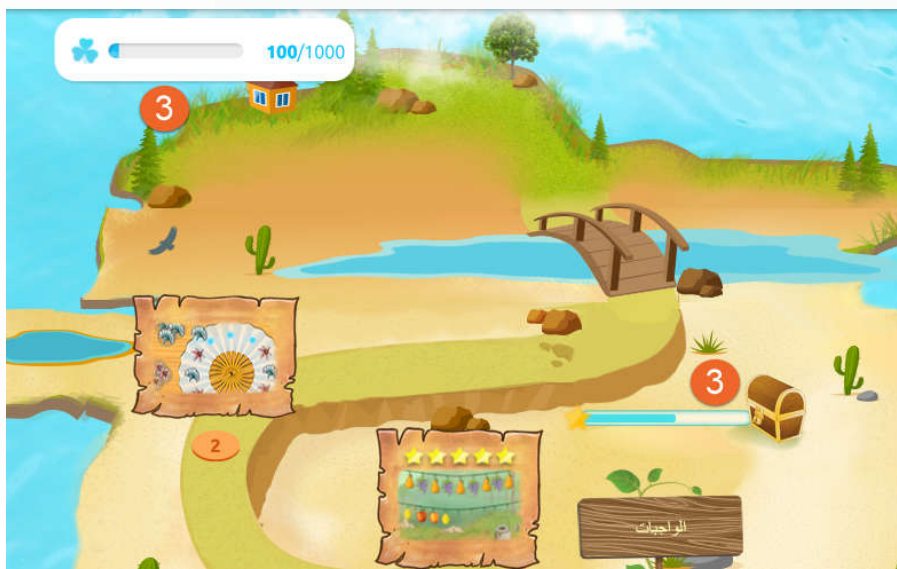
£3

£3 + £6 = £9

NEXT ▶ 2

How much should the monster pay? £ 1

1. Solve the problem.
2. Click finish or next to move to the next question.
3. After completing the activities, students will get points and stars as rewards.





**McGraw-Hill
Education**

McGraw-Hill ConnectED Platform

Introduction to McGraw-Hill ConnectED

McGraw-Hill ConnectED platform has designed an online approach of learning which helps to improve student learning. This platform provides many educational resources for science and mathematics subjects. In this guide we will explain how to use this platform and utilize the resources available in the educational process.

Current Resources on McGraw-Hill ConnectED

The Ministry of Education has created an account for students on the platform linked to the LMS account, which enables the teachers and students to reach resources for the following materials:



English for grades 1-5

Math for grades from pre-K to 5

General Sciences for grades 1-8

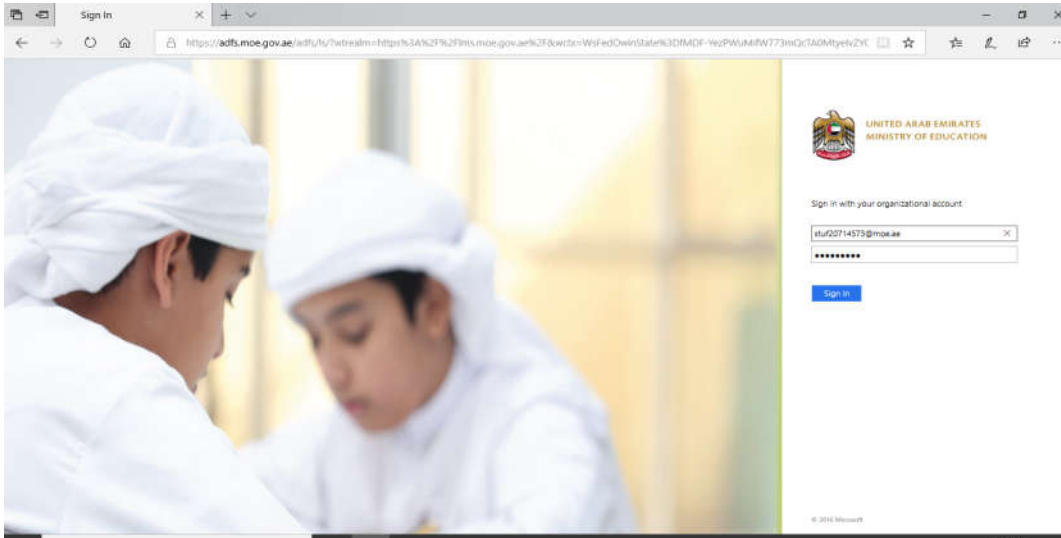
Physics, Biology,
Chemistry and
Geology for grades
9-12

Accessing ConnectED through LMS

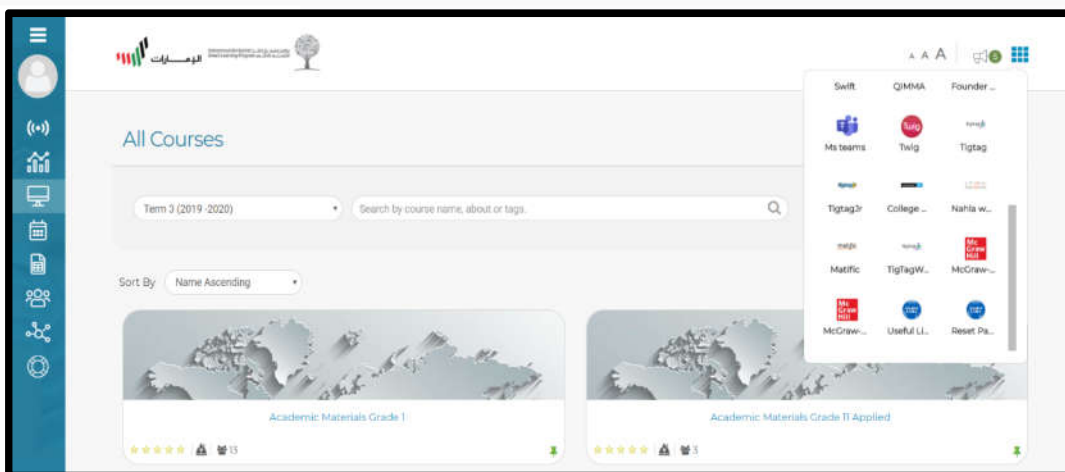
6. Access the smart learning portal via the following link;

<https://Lms.moe.gov.ae>

7. Enter your username and password



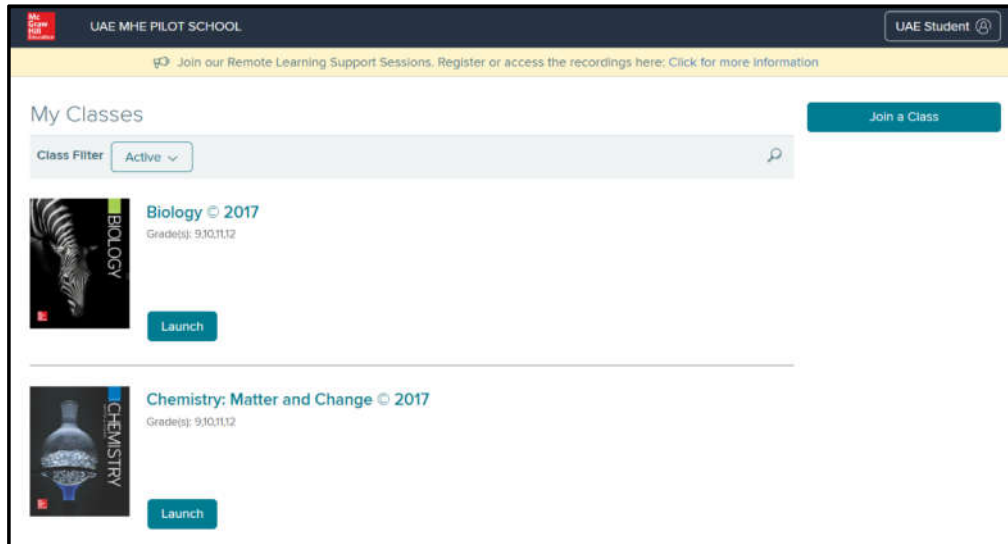
8. Open the list of platforms from LMS as shown in the picture below



9. Choose Student and Parent Resources Mc-Graw Hill.

xMcGraw-Hill Student and Parent Resources

When entering the McGraw-Hill connected platform, the following interface appears:

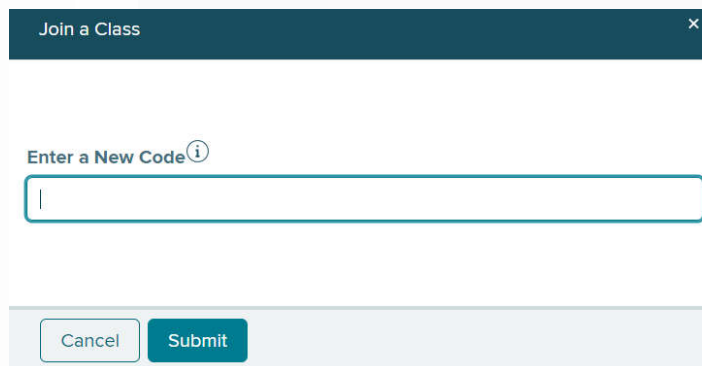


Auto-login to the platform has been activated for all teachers in the Ministry of Education to ease their access to the educational resources of the platform.

The main interface shows all currently available resources which include science, mathematics and English language materials.

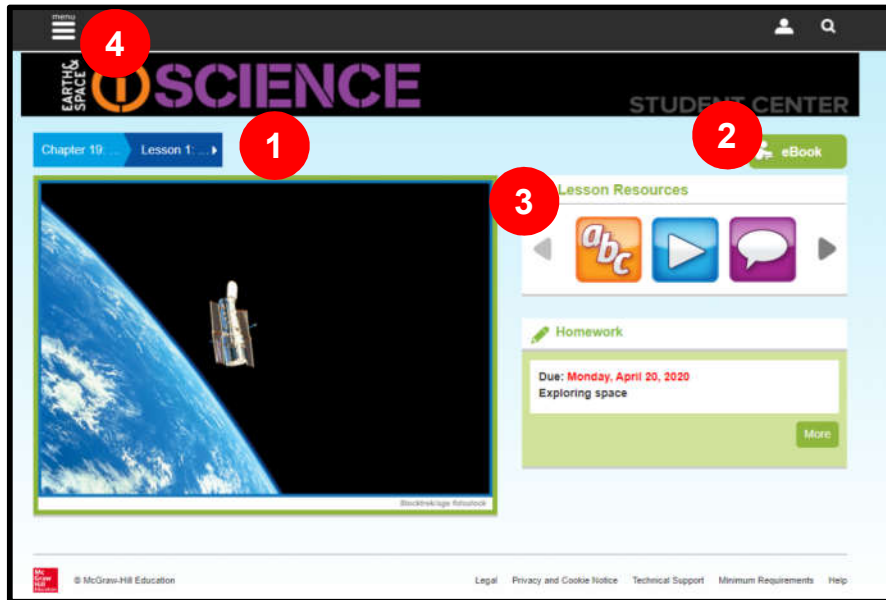
You can view the course contents available on the platform by clicking on the course name, for example: Biology @ 2017.

Students can join a class created by teacher by clicking on “Join Class” and entering the class code provided by teacher.



When choosing a course from the following courses, the following interface appears:

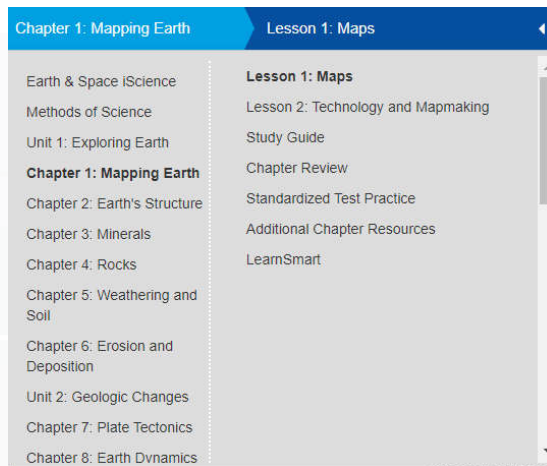
Example: Earth & Space iScience © 2017



The main contents of the screen are:

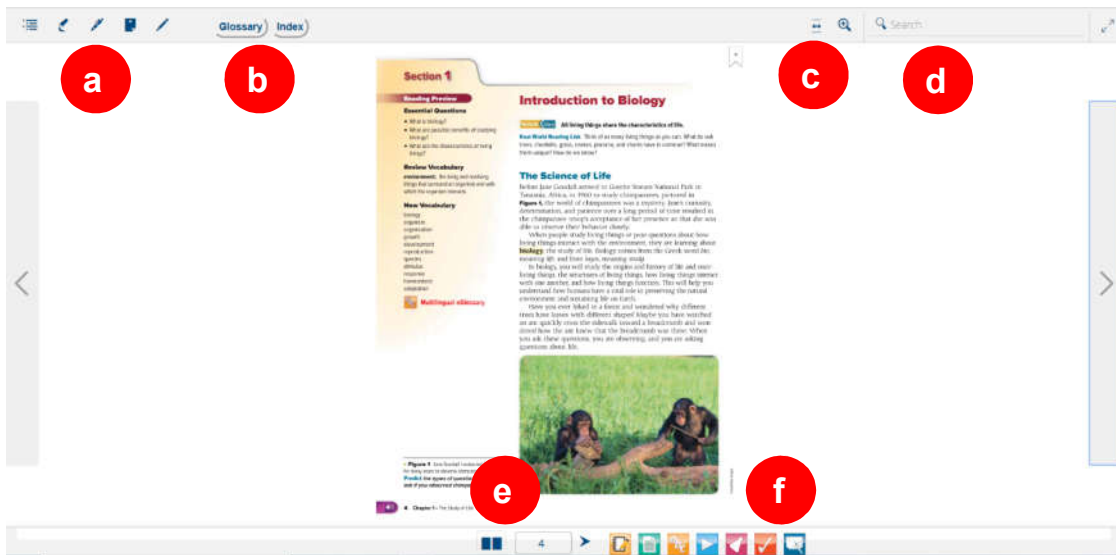
1. Overview to the contents of the subject

You can use this option to browse the different modules and their sub-content of each subject.



2. Navigate through the e-book

This feature enables you to navigate through the e-book of the subject with many extra features such as:



- a) Writing tools include Highlighter and Pen in different colours, as well as Notes mode.
- b) Browse meanings of terms using the Glossary option, and search for word repetition in the book Index.
- c) Zoom in on page content using the Zoom option.
- d) Search for a word on the page or book.
- e) Navigate between pages by using arrows or by typing the page number.
- f) Advanced options include additional references and video files to explain content, move to virtual content labs and more.

3. Learning resources

This field includes all resources that the student can use while browsing this subject, such as:

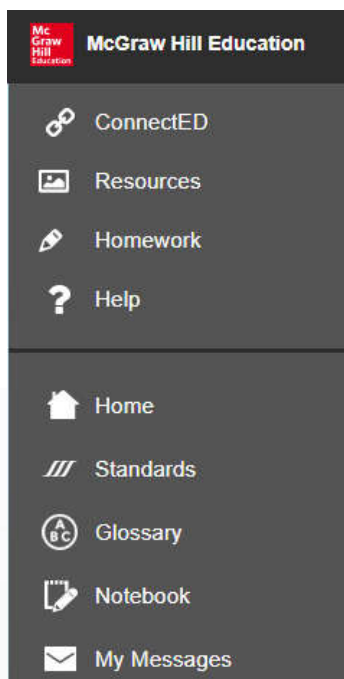
- a) Project Based Learning: A set of proposed projects that lead to student learning of content through practical projects that students work on in groups.
- b) Learn Smart: Customize lesson content by unit.
- c) Resources References: Additional student references for use as the periodic table of elements.
- d) Vocabulary: The terms a student is expected to learn during the lesson, and each of them is defined in several languages.
- e) Watch: This feature provides videos to enhance students' understanding.
- f) Check, which provides the teacher with Quizzes to ensure student understanding of the content.
- g) Lab: Provides practical experiences students can take to enhance understanding of the content.
- h) Tutor: Explanation of content through a virtual feature in the form of videos.

Note: Each class has specific learning resources, depending on the need for the lesson. Some may not contain all the types of resources mentioned.

4. Control list

This screen helps you easily access all the resources, plans, agenda, your uploaded files, student tests and more. The control list is different between the teacher and the student according to the pictures below:

Student's Control List

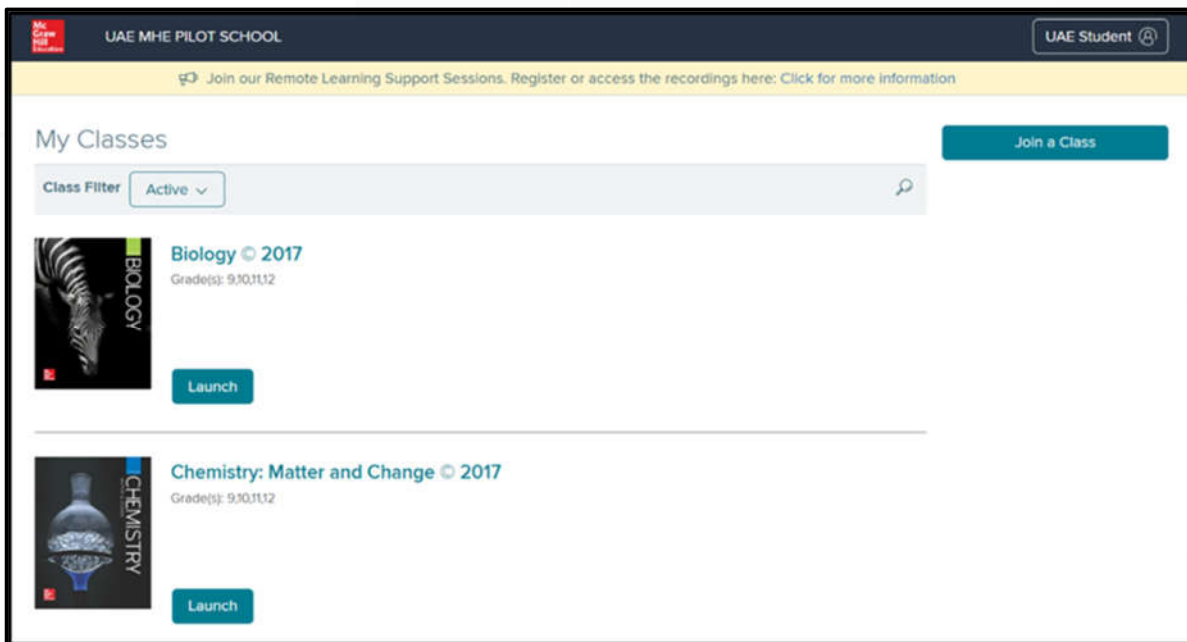
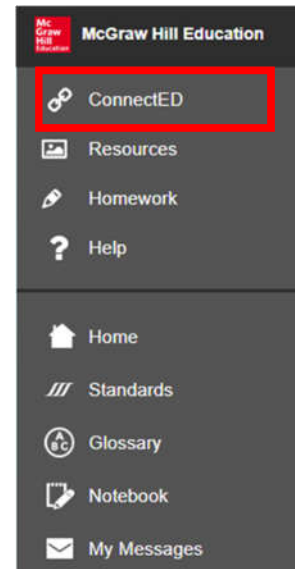


ConnectED

This option takes you to the main platform's screen where you can browse through available subjects.

Resources available in this screen for:

- General Science
- Physics
- Chemistry
- Biology
- Geology
- Math
- English

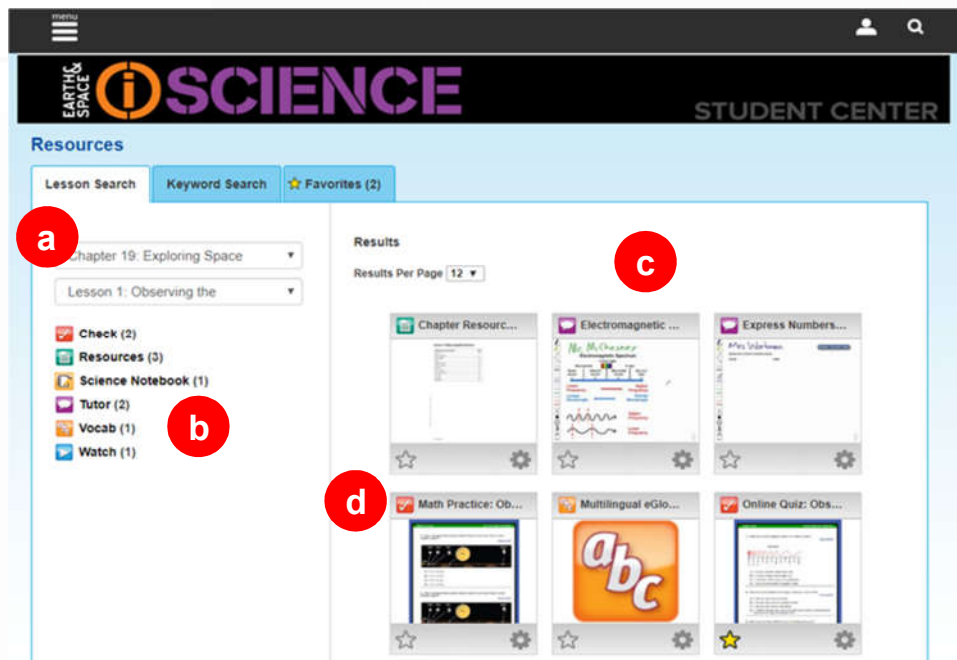
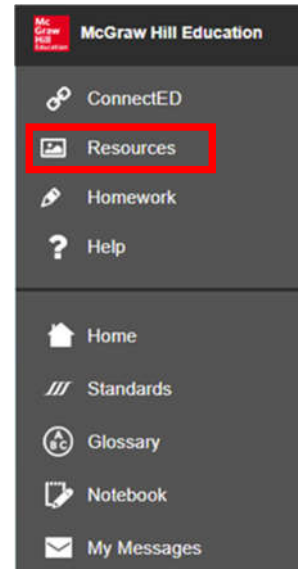


Resources

This page shows all resources related to current open subject.

You can use the resources as follows:

- Choose Chapter and lesson.
- Browse through types of resources.
- Click on resources to download.
- You can identify resource type from the icon next to each resource.

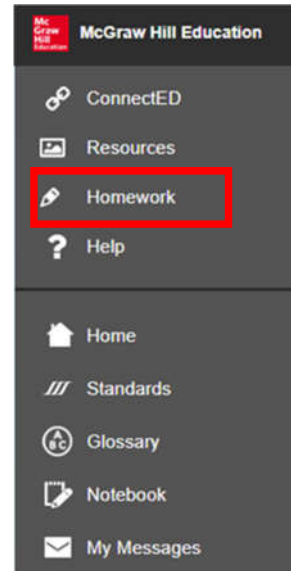


Homework

This option help students follow up on their assignments and submit it.

You can use this page as following

- Due tasks will show here.
- Extra resources, which you can download by clicking on.
- Uploading and submitting assignments.



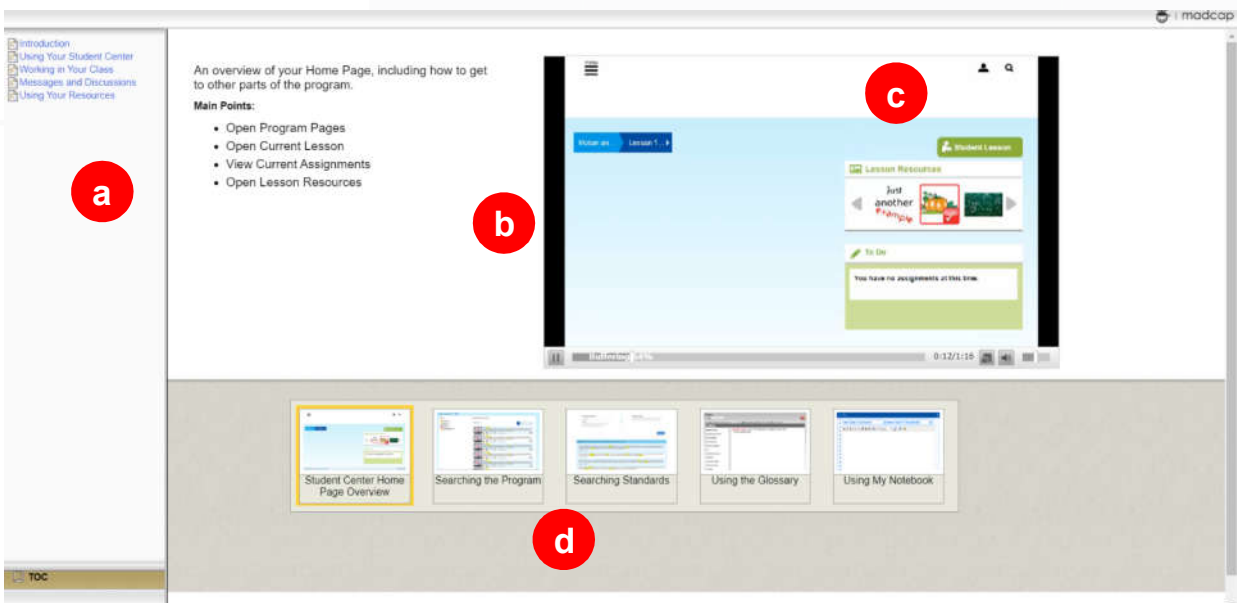
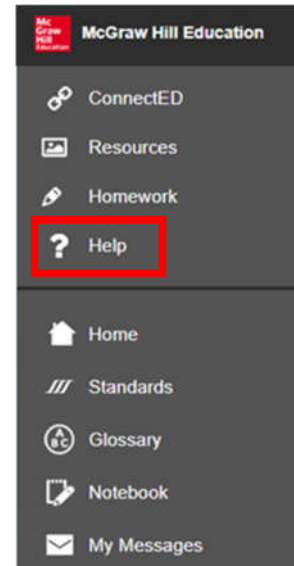
A screenshot of the iScience Student Center interface. The page is titled "EARTH & SPACE iSCIENCE STUDENT CENTER". At the top, there is a "DUE LATER (2)" section with a red circle 'a' next to it. Below this is a task titled "Exploring space" with a due date of "Monday, April 20, 2020". The task area contains "Instructions" and two buttons: "Done" and "Upload", with a red circle 'c' next to the "Upload" button. To the right of the task area is a "Resources" section with a red circle 'b' next to it, featuring a preview of an "Online Quiz: Earl...". Below the task area is a section for "Exploring space Practice" with a due date of "Wednesday, April 22, 2020". At the bottom, there is a "Homework History (0)" section with columns for "Due Date", "Turned In", and "Teacher Comments".

Help

Do you need any help using the platform? This page will provide you with videos that explain how to use the platform.

You can benefit from this page as following:

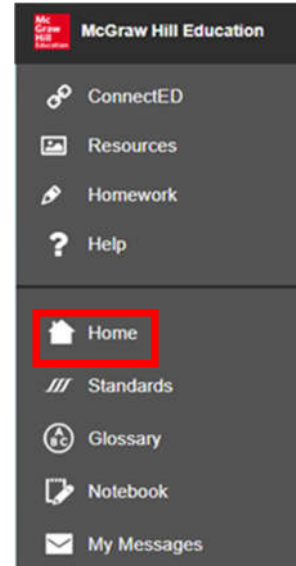
- Choose task required.
- Read the key point within the task.
- View the video that explains the task.
- Browse through videos.



Home

Once you click “Home” you will return to browsing current subject.

Note that this option is different from “ConnectED” which returns you to browsing all subjects and levels.

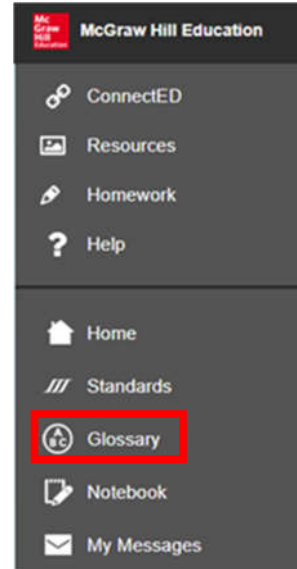


A screenshot of the McGraw Hill Education Student Center interface. The header includes the McGraw Hill Education logo, the text "EARTH & SPACE SCIENCE", and "STUDENT CENTER". Below the header, there are navigation links for "Chapter 5: ..." and "Lesson 1: ...". A large image of a dust storm is displayed on the left. On the right, there are sections for "Lesson Resources" with "PBL", "abc", and a play button icon, and "Homework" with a due date of "Monday, April 20, 2020" for "Exploring space". The footer contains the McGraw Hill Education logo, copyright information, and links for Legal, Privacy and Cookie Notice, Technical Support, Minimum Requirements, and Help.

Glossary

This option with an alphabetical list of words with explanations; a brief dictionary.

Note: when click on this option it will direct you to the e-book which includes the glossary.



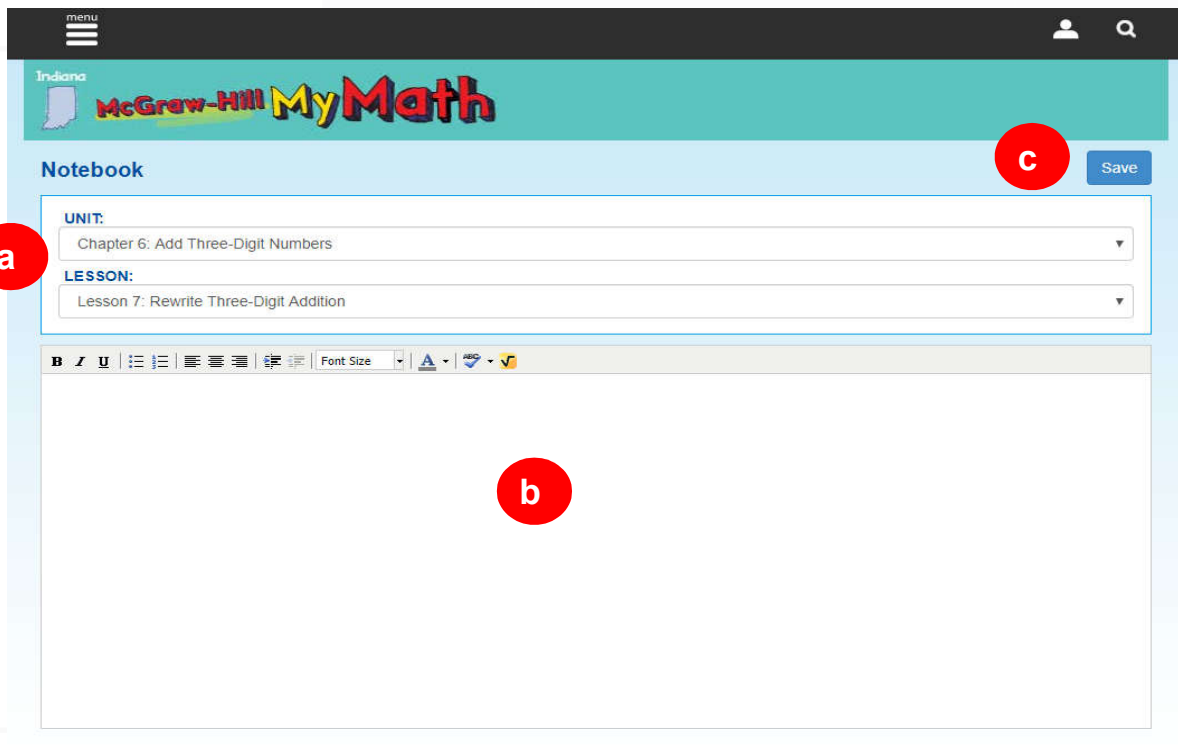
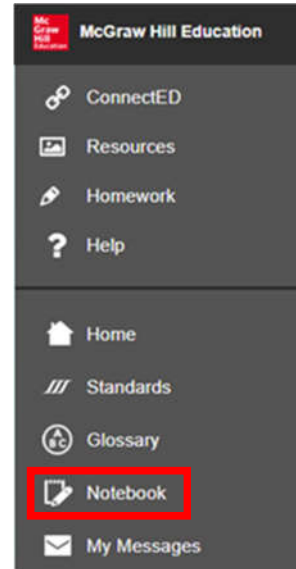
The screenshot displays a digital reference handbook interface. On the left, there is a 3D-style periodic table of elements with various color-coded groups. To the right of the table is a 'Glossary/Glosario' section. This section includes a 'Multilingual Glossary' header, a 'Pronunciation Key' with a table of symbols and their pronunciations, and two columns of definitions: 'English' and 'Español'. The page number '1142-1143' is visible at the bottom.

Notebook

Helps you keep your notes on any part of the subject.

Through this page you can:

- Choose Chapter and class.
- Type your notes with different font styles.
- Save notes.

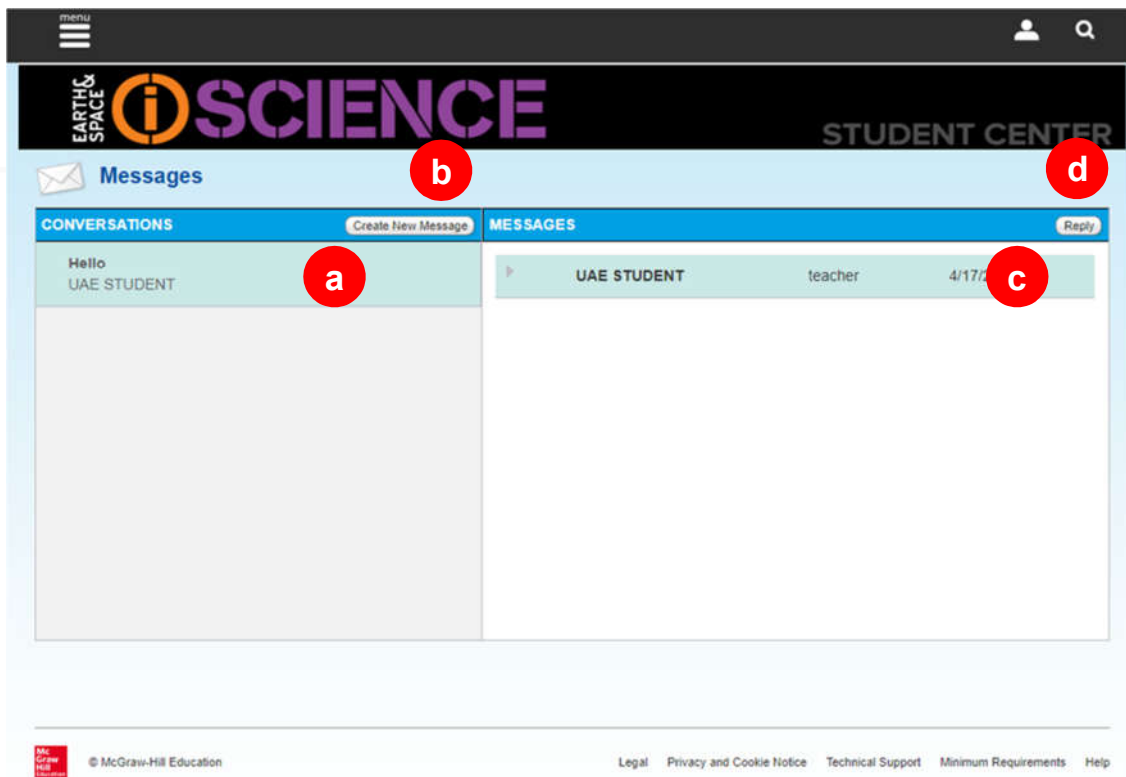
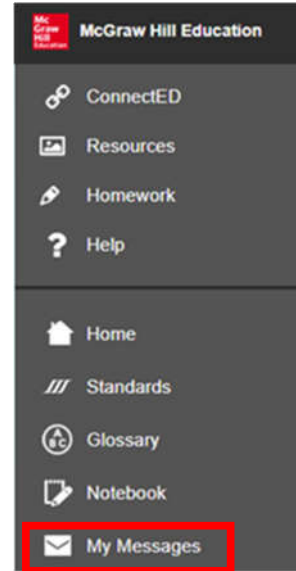


My Messages

The platform offers messaging between members

From this page:

- Create New Messages.
- Delete a message.
- Reply to messages.
- Print messages.



تابعونا على مواقع التواصل الاجتماعي

MOE_UAETRAINING

