



1st Edition

App User Guide

(28 Dec 2021)

Copyright Information

©2021 Marshall Cavendish Education Pte Ltd. All Rights Reserved.

All rights reserved. No parts of this work may be reproduced in any form or by any mean – graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems – without the written permission of the publisher.

Products that are referred to in this document may be either trademarks and/or registered trademarks of the respective owners. The publisher and the author make no claim to these trademarks.

While every precaution has been taken in the preparation of this document, the publisher and the author assume no responsibility for errors or omissions, or for damages resulting from the use of information contained in this document or from the use of programs and source code that may accompany it. In no event shall the publisher and the author be liable for any loss of profit or any other commercial damage caused or alleged to have been caused directly or indirectly by this document.

About Marshall Cavendish Education

Marshall Cavendish Education (MCE) is a global education solutions provider dedicated to nurturing the joy of learning and preparing students for the future. We believe the best way to do so is by simplifying learning and listening to the needs of schools, teachers, students, and parents.

We make our world-class educational content more accessible through a seamless experience that integrates both print and digital resources. We provide holistic and end-to-end solutions customised to the school's requirements, with professional development to help educators implement the curriculum.

MCE has worked with ministries, policymakers, educators, and parents in over 85 countries, designing education solutions in 14 languages for Pre-K to 12. We are the only Asian publisher that has been an endorsement partner of Cambridge Assessment International Education since 2019.

Table of Contents

COPYRIGHT INFORMATION	1
ABOUT MARSHALL CAVENDISH EDUCATION	2
INTRODUCTION	5
SUPPORTED OPERATING SYSTEMS	5
MICROSOFT WINDOWS	5
MAC OS	5
ANDROID	5
IOS	5
HELPDESK	5
EBOOK ACCESS INSTRUCTIONAL GUIDE	6
MCE CAMBRIDGE IGCSE FEATURES	7
OVERVIEW	7
(A) EBOOK-SHELF	8
(B) TAP TO DOWNLOAD	8
(C) TAP TO UPDATE	8
(D) DOWNLOADING EBOOK	8
(E) DELETE EBOOK/S	8
(F) MARKER RECOGNITION / WATCH	8
(G) USER PROFILE	8
<i>CHANGE PASSWORD</i>	8
<i>BACK UP & RESTORATION</i>	8
(H) LOGOUT	8
EBOOK FEATURES	9
OVERVIEW	9
(A) SEARCH BOX	10
(B) ANSWER OVERLAY	10
(C) HIDE/SHOW RESOURCES	10
(D) SINGLE/DOUBLE PAGE VIEW	10
(E) ROTATE PAGE CLOCKWISE	10
(F) GO-TO PAGE NUMBER	10
(G) ANNOTATION TOOLS	10
(H) RESOURCE LIBRARY	10
<i>PUBLISHER'S RESOURCES</i>	10
<i>MY RESOURCES</i>	10
<i>TYPES OF RESOURCES</i>	10
(H) TABLE OF CONTENTS VIEW	12
(I) CLOSE EBOOK	12
(J) MINIMIZE THIS TOOLBAR	12
HOW TO ACCESS ONLINE EBOOK	13
HOW TO UPDATE USER DATA TO MCE DUHUB	14
HOW TO ADD BOOKMARK	15
HOW TO CUSTOM ZOOM	15
HOW TO LAUNCH A WATCH RESOURCE	17
<i>HOW TO IMPROVE THE CAMERA PAGE DETECTION</i>	18
APPENDICES	19

MARSHALL CAVENDISH EDUCATION CAMBRIDGE IGCSE™ WATCH LIST	19
<i>MCE CAMBRIDGE IGCSE™ BIOLOGY STUDENT'S BOOK WATCH LIST.....</i>	19
<i>MCE CAMBRIDGE IGCSE™ CHEMISTRY STUDENT'S BOOK WATCH LIST</i>	21
<i>MCE CAMBRIDGE IGCSE™ PHYSICS STUDENT'S BOOK WATCH LIST</i>	23
<i>MCE CAMBRIDGE IGCSE™ COMPUTER SCIENCE STUDENT'S BOOK WATCH LIST</i>	26
<i>MCE CAMBRIDGE IGCSE™ INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) STUDENT'S BOOK WATCH LIST.....</i>	27

Introduction

MCE Cambridge IGCSE App is an innovative learning and teaching tool to empower both students and teachers. It allows students to study independently and collaborate effectively on any of the four platforms (Windows, Mac OS, Android and iOS). It also allows teachers to deliver multimedia-rich lessons in Windows and Mac platforms. IGCSE App is an intuitive learning and teaching tool which is essential for schools in the 21st century.

Developed by Singapore's leading educational publisher, Marshall Cavendish Education, IGCSE App aims to enhance the learning and teaching journey of students and teachers by offering them the best digital solutions.

IGCSE App is able to deliver the latest edition of textbooks in digital form, with interactive learning and teaching resources, so that students can learn anytime, anywhere and teachers can have access to ready-made interactive lessons in class.

Supported Operating Systems

Microsoft Windows

- Windows 7 & Above

Note: *Windows 8 (RT) is not supported.*

Mac OS

- OS X 10.10 & Above

Android

- Android 7.x & Above

Note: *Please be advised that technical support is only available for Android Tablets.*

iOS

- iOS 9.x & Above

Note: *Please be advised that technical support is only available for iPad/iPad mini.*

Helpdesk

- Email: helpdesk@mceducation.com
- Or [click here to submit a support ticket](#)

MCE welcomes school partnerships from any country to help create a smoother installation journey. Please advise the Head of Department or school leaders to contact their respective Sales Managers or Distributors.

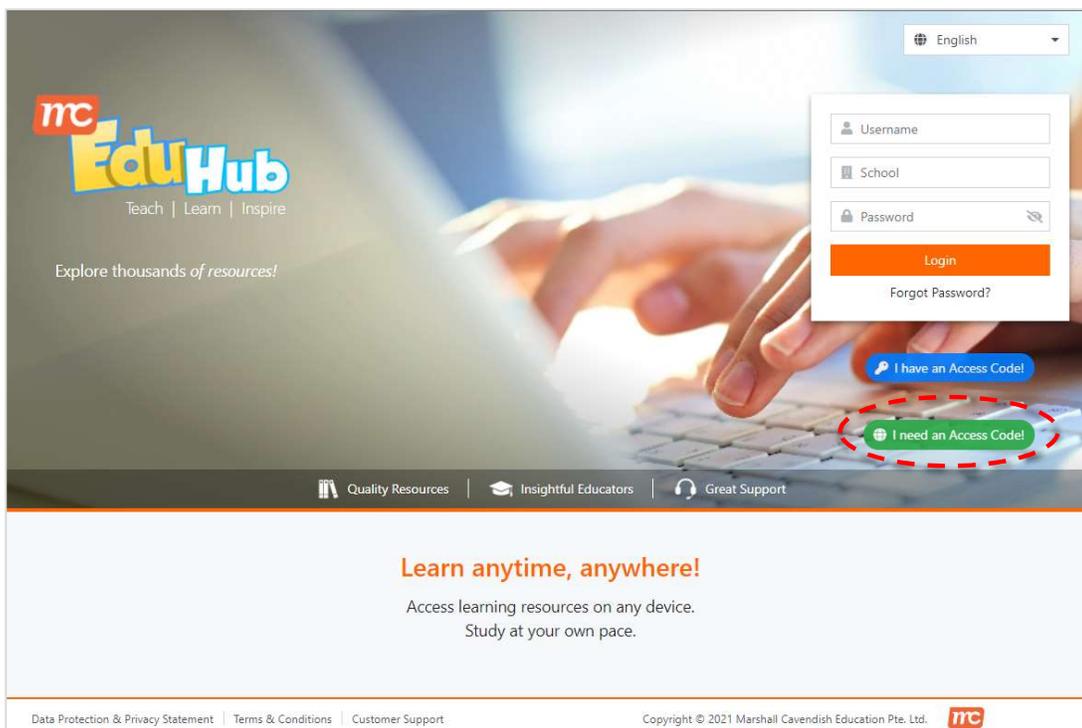
Ebook Access Instructional Guide

Step 1

Download the app from [Apple App Store](#) or [Google Play Store](#) by searching for **MCE Cambridge IGCSE**. For Windows or MAC desktops/laptops, go to www.mceapps.com, look for the MCE Cambridge IGCSE app and download the installer based on your operating software.

Step 2

Install the app and launch the **MCE Cambridge IGCSE** app. At the School tab, log in using your existing Login ID and Password or Signup for a new account through school distributor or www.mceduhub.com "I need an Access Code!".



MCE Cambridge IGCSE Features

Overview



#	Description
(A)	eBook-shelf
(B)	Tap to download
(C)	Tap to update
(D)	Downloading eBook
(E)	Delete eBooks
(F)	Marker Recognition / Watch
(G)	User Profile
(H)	Logout

(A) eBook-Shelf

- Icon view of available eBooks.

(B) Tap to download

- Tap to download the eBook and its resources. (Internet connection required.)

(C) Tap to update

- Tap to update the eBook and its resources. (Internet connection is required.)

(D) Downloading eBook

- Downloading the selected eBook.

(E) Delete eBook/s

- Tap to delete the selected eBook/s. This does not delete the eBook/s from the shelf, only the content and the eBook/s' resources will be removed.

(F) Marker Recognition / Watch

- Download an eBook. Launch the Marker Recognition. This allows you to scan a page with Watch icon and launch the Watch resource.

(G) User Profile

- The User Profile page allows you to:

Change Password

- change your login password.

Back Up & Restoration

- back up the changes you have made to your eBook and to restore the changes to the same or other devices.
- For more detailed instruction, please refer to Topic: **BACK UP AND RESTORATION**.

(H) Logout

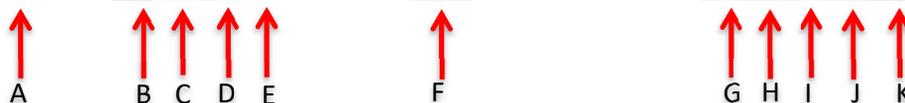
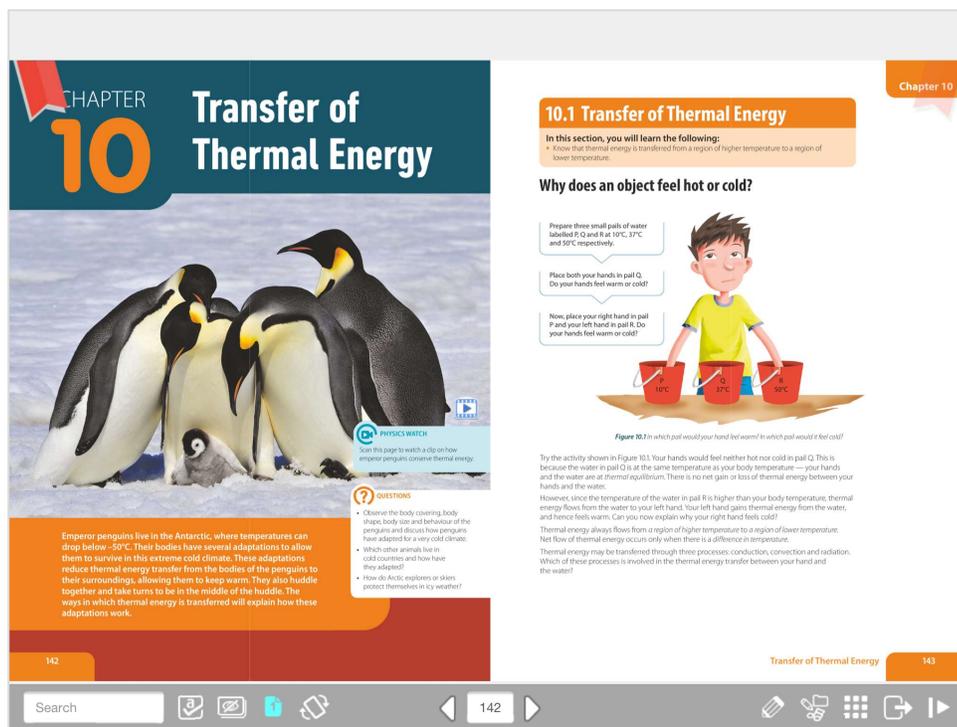
- Please take note that once you log out of the IGCSE App, you will need an internet connection to log in the next time you want to access the App.
- Alternatively, you can choose to close the IGCSE App by clicking on the "Close" button located at the top corner of the app (Windows / Mac) or press the "Home" button of your mobile device (iOS / Android).

Note:

IGCSE App allows you to access your eBook in Online or Offline mode. To access your eBook in the offline mode, please do not **LOGOUT** of the IGCSE App.

eBook Features

Overview



#	Description
(A)	Search box
(B)	Answer Overlay
(C)	Hide/Show Resources
(D)	Single/Double Page View
(E)	Rotate Page Clockwise
(F)	Go-to Page Number
(G)	Annotation Tools
(H)	Resource Library
(I)	Table of Contents View
(J)	Close eBook
(K)	Minimize this toolbar

(A) Search Box

- Enables users to search for specific text within the eBook. *This does not include text within Virtual Manipulatives, publisher resources or images.*

(B) Answer Overlay

- Enables the visibility of answers in the eBook. Answers are only available on Teacher's edition eBooks. Teacher may wish to conceal the answers when conducting frontal teaching with TE eBooks.

(C) Hide/Show Resources

- The resources may obscure the eBook contents. User may wish to conceal the resources.

(D) Single/Double Page View

- This switches the eBook to display a single page (best for portrait viewing) or double page (2 pages side-by-side, best for landscape viewing) on the device screen.

(E) Rotate Page Clockwise

- This rotates the page clockwise by 90 ° to display in landscape.

(F) Go-to Page Number

- This allows the user to jump to any existing page within the eBook.

(G) Annotation Tools

- This allows the user to make annotations and/or highlights on the page.

(H) Resource Library

- Enables users to access all the digital elements that are tagged in the eBook. Users also can "favourite" or "unfavourite" a resource. There are 2 different types of resources:
- The eBook may contain digital elements (**PUBLISHER'S RESOURCES**). You can also add your own resources to the eBook to enhance teaching and make learning or reading even more fun and exciting.

Publisher's Resources

- Publisher's resources that cannot be edited, deleted or moved.

My Resources

- User's resources that can be added, edited, deleted and moved.

Types of Resources

- These are the types of resources that can be found in the eBooks.

Type of Resources	Publisher's resources	User's resources
Files		
Notes		
URL		
Video		
Image		
Audio (Podcast)		
Notes		
Interactive		NA
Learn		NA
Interactive Virtual Manipulatives		NA
Games		NA
Quiz / Test		NA
Teacher's Guide		NA
Teacher's Guide Resources		NA
Workbook		NA

- The resources will be displayed at the side of the page on IGCSE App.

The screenshot displays two pages from the IGCSE App. The left page, titled 'Unbalanced forces', explains that an object moves at constant speed when the resultant force is zero. It introduces the equation $F = ma$ and includes a worked example 4C. The right page, titled 'What are the effects of friction?', defines friction as a force that impedes motion and provides examples like a book on a table and a parachute. The app interface includes a search bar, navigation arrows, and a page number '56'.

(H) Table of Contents View

- Enables users to view all the pages in thumbnail and navigate to a specific page or chapter.
- The Bookmark tab allows users to view all bookmarked pages in one view. See **HOW TO ADD BOOKMARK.**

(I) Close eBook

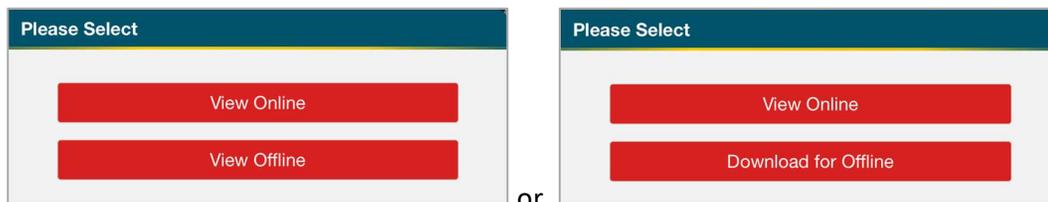
- This closes the eBook and bring users back to ebook-shelf.

(J) Minimize this toolbar

- This collapses the toolbar to the bottom-right corner of the screen. Tap or click to reveal the toolbar.

How to Access Online eBook

Step 1: Tap on any eBook that is downloaded or not downloaded. The option to 'View Online' will be displayed.



Step 2: Click 'View Online'. The online eBook will launch.

Note:

- *Please ensure that there is good stable network connection while viewing online.*
- *All user data such as bookmarks, annotation, notes, URL, favourite resources and last viewed page will be updated to MCEduHub website (<https://www.mceduhub.com/>).*

How to Update User Data to MCEduHub

Step 1: Tap on any eBook that is downloaded or not downloaded. If there is network connectivity, the eBook will fetch the following data from MCEduHub website. Otherwise, local App user data will be used.

Note:

Information on Saving and Loading of User Data

eBook Type	Network	Operation	<ul style="list-style-type: none"> • Bookmark • Last Viewed Page • Favourite Resource in Resource Library 	<ul style="list-style-type: none"> • Annotation • URL • Notes
Online eBook	Connected	Load	Load online data when launching eBook	Load online data when turning to a new page
Online eBook	Connected	Save	Save data online	Save data online upon completion of operation
Offline eBook	Connected	Load	Check and load the latest data when launching eBook. See Note 1.	Check and load the latest data when turning to a new page. See Note 2.
Offline eBook	Connected	Save	Save data to device and online	Save data to device and online upon completion of operation
Offline eBook	Not Connected	Load	Load local data when launching eBook	Load local data when turning to a new page
Offline eBook	Not Connected	Save	Save data into device. See Note 1.	Save data into device upon completion of operation. See Note 2.

Note 1: If the offline eBook data is newer than the online eBook data, the local data is updated online when there is a network connection.

Note 2: If the offline page data is newer than the online data, the local data is updated online when the offline page is accessed with a network connection.

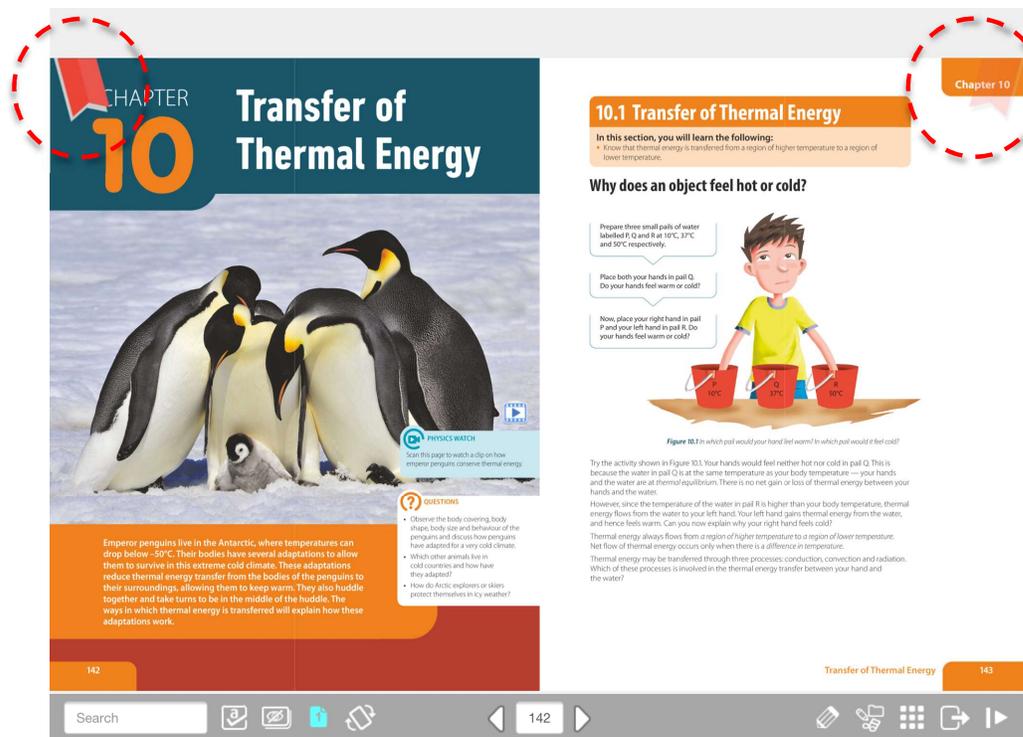
How To Add Bookmark

Step 1: There is a Bookmark on the top-left or top-right of each page in the eBook. Tap on it to bookmark the page.

Note:

Bookmark Off: Translucent Bookmark (refer to the bookmark on the right)

Bookmark On: Opaque Bookmark (refer to the bookmark on the left)

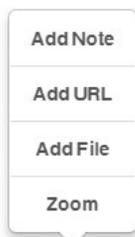


How To Custom Zoom

To perform a normal zoom, simply use pinch-to-zoom by touching two fingers on the touchscreen of your device, and move them apart to zoom in, or together to zoom out.

This Custom Zoom function enables users to zoom in on a specific area on the page in the eBook with box up effect.

Step 1: Right click / Tap & hold and then select **ZOOM**.



Step 2: Click / Tap & Drag the area you would like to zoom in.

What are the effects of friction?

Friction is a force that impedes motion.

Solid friction is the type of friction that occurs when two solid surfaces are in contact with or slide against each other. In Figure 4.10, we see that a force greater than the friction must be applied so that there is a non-zero resultant force to make the object move. The object will stop if we remove the applied force.

Figure 4.10 Friction acts in the opposite direction to motion.

Friction between two moving surfaces produces heating. For example, our hands feel warm when we rub them together.

Friction does not only oppose motion between solid surfaces. Objects moving through a liquid or a gas experience friction too. A swimmer is slowed by friction between the water and her body. A car moving on a road, or an aeroplane flying in the air experiences air resistance, which opposes the motion of the vehicle.

Friction is a resistive force because it acts in the opposite direction to motion.

In liquids and gases, friction is usually called **drag** (Figure 4.11).

Drag

- In liquids:** A ball bearing falls more slowly in oil than in water. The friction (or drag) in oil is greater than in water.
- In air:** The parachutist slows down when she opens the parachute as there is an resistance opposing her downward motion.

WORKED EXAMPLE 4C

Figure 4.9 shows the forces acting on an object at rest. The mass of the object is 20 kg.

Figure 4.9

(a) Calculate the resultant force on the object.
 (b) What effect does the resultant force have on the object?
 (c) What is the velocity of the object after 2 s?

Solution

(a) Let the right direction be positive.
 Resultant force = $50\text{ N} + (-10\text{ N}) = 40\text{ N}$ towards the right.

(b) The resultant force changes the velocity of the object. It causes the object to accelerate.

(c) Using $F = ma$, $a = \frac{F}{m} = \frac{40}{20} = 2\text{ m/s}^2$ towards the right.

Since $a = \frac{\text{change in velocity}}{\text{time taken}}$, $2 = \frac{v - 0}{2}$

The velocity v of the object after 2 s = $2 \times 2 = 4\text{ m/s}$ towards the right.

Step 3: Click / Tap on the “X” icon on the bottom-right to return to the normal view of the page.

Friction is a force that impedes motion.

Solid friction is the type of friction that occurs when two solid surfaces are in contact with or slide against each other. In Figure 4.10, we see that a force greater than the friction must be applied so that there is a non-zero resultant force to make the object move. The object will stop if we remove the applied force.

1 To make the book move across the table, we apply a force that is greater than the friction between the table and the book. The resultant force towards the right makes the book move in the same direction.

2 We apply a force that has the same magnitude as the friction. The resultant force is zero. The book moves with constant velocity.

3 When we stop applying a force, the resultant force is only the friction, towards the left. It is in the opposite direction to the motion of the book. The book slows down and finally stops moving.

Figure 4.10 Friction acts in the opposite direction to motion

Friction between two moving surfaces produces heating. For example, our hands feel warm when we rub them together.

Friction does not only oppose motion between solid surfaces. Objects moving through a liquid or

How to launch a Watch Resource

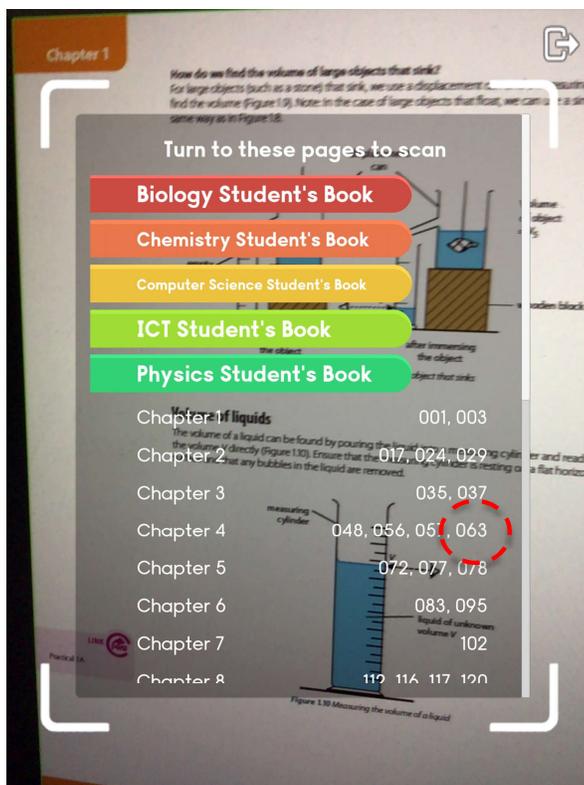
Note:

- (1) This only applies to mobile devices (Android tablets and iPad) with built-in camera.
- (2) eBook must be downloaded prior to launching the Watch activity.

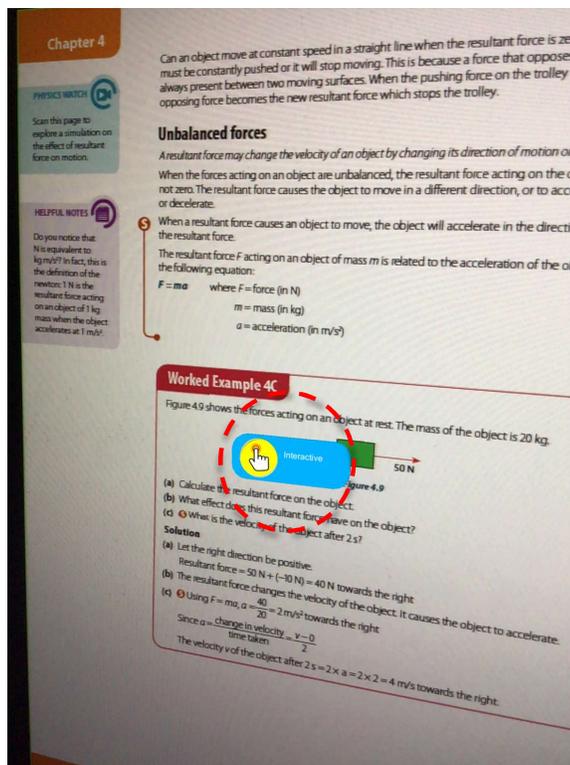
Step 1: Upon choosing an eBook, you are given the option to do *Watch* activity or to read the eBook. Choose the *Watch* option.



Step 2: Point the mobile device's camera to a page in the textbook with Watch icon. In the event that a page does not have any *Watch* activity, the TOC (Table of Content) will appear to direct you to flip to a page where there is a *Watch* activity.



Step 3: Watch activity button will be displayed on the page. Click on the button to launch the Watch activity.



How to improve the camera page detection

- Always scan a textbook page under good lighting condition.
- Slowly adjust the position of your device if there is no response from the camera.
- If you have IGCSE App launched on your desktop, you may also point your mobile device at the page on a digital eBook instead.

Appendices

Marshall Cavendish Education Cambridge IGCSE™ Watch List

MCE Cambridge IGCSE™ Biology Student's Book Watch List

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
1	1	Video	Chapter 1 Opener: Lithops plants	[0.52 min]	Whole clip
1	13	Quiz	Quiz	NA	NA
2	18	Video	Chapter 2 Opener: What Is Inside the Cell?	[1.06 min]	Whole clip
2	23	Interactive	Using a Light Microscope	NA	NA
3	34	Video	Chapter 3 Opener: Which Method of Cutting Potatoes is Easier?	[0.50 min]	Whole clip
3	43	PDF	Article (Using Light Technology to Study the Cell Membrane)	NA	NA
4	54	Video	Chapter 4 Opener: The Fruit Diet	[1.11 min]	Whole clip
5	70	Video	Chapter 5 Opener: Enzymes in Washing Powder	[0.56 min]	Whole clip
5	77	Interactive	Enzymes: Discover Enzymes and Temperature/pH	NA	NA
6	82	Video	Chapter 6 Opener: Rainforests	[0.52 min]	Whole clip
6	86	Video	Testing for the Presence of Starch in a Leaf	[2.35 min]	Whole clip
6	93	Video	Studying the carbon dioxide uptake or release of a leaf under different light conditions	[1.59 min]	Whole clip
7	107	Quiz	Chapter 7 Opener: Quiz	NA	NA
7	117	Interactive	Nutrition in Humans: Discover Carbohydrate, Protein and Fat Digestion	NA	NA
8	125	Video	Chapter 8 Opener: Montenegro Gushing Water Tree	[1.28 min]	Whole clip

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
8	137	Interactive	Transport in Plants: Discover Transport in Plants	NA	NA
9	145	Quiz	Chapter 9 Opener: Quiz	NA	NA
9	159	Interactive	Transport in Humans: The Blood and the Heart	NA	NA
10	171	Web	Chapter 10 Opener: COVID-19 Dashboard (Online)	NA	NA
10	174	Web	Why Social Distancing Is So Important (Online 3-D Simulation)	NA	NA
11	185	Video	Chapter 11 Opener: Why Do We Yawn?	[0.41 min]	Whole clip
11	194	Interactive	Respiration in Humans: Discover Inhalation and Exhalation	NA	NA
12	201	PDF	Chapter 12 Opener: A Day in the Life of the Trapped Chilean Miners	NA	NA
12	204	Interactive	Respiration in Humans: Discover Aerobic and Anaerobic Respiration	NA	NA
13	211	Video	Chapter 13 Opener: Excretion in Humans	[0.48 min]	Whole clip
13	214	Quiz	Quiz	NA	NA
14	221	Video	Chapter 14 Opener: How do we respond to stimuli?	[0.57 min]	Whole clip
14	228	Interactive	The Nervous System: Discover Nerve Impulses and Reflex Action	NA	NA
15	242	Video	Chapter 15 Opener: How Do Penguins Keep Warm?	[1.25 min]	Whole clip
16	269	Video	Chapter 16 Opener: How Do Insects Help to Transfer Pollen?	[0.46 min]	Whole clip
16	286	Interactive	Reproduction in Plants: Discover Pollination and Fertilisation	NA	NA
17	291	Quiz	Chapter 17 Opener: Quiz	NA	NA
17	302	Web	Reproduction in Humans	[1.30 min]	Whole clip

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
18	309	Video	Chapter 18 Opener: Why Do Cells Divide?	[0.42 min]	Whole clip
18	312	Interactive	Protein Synthesis	NA	NA
19	328	Video	Chapter 19 Opener: Ancient genome analyses of goat domestication	[3.00 min]	Whole clip
20	340	Video	Chapter 20 Opener: What is the Role of Ants in Ecosystems?	[1.40 min]	Whole clip
20	351	Quiz	Quiz	NA	NA
21	357	Quiz	Chapter 21 Opener: Quiz	NA	NA
21	364	Video	Our Impact on the Ecosystem: Discover Eutrophication	NA	NA
22	373	Video	Chapter 22 Opener: What is Genetic Modification?	[1.09 min]	Whole clip
22	378	PDF	Article (Gene editing technique)	NA	NA

MCE Cambridge IGCSE™ Chemistry Student's Book Watch List

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
1	1	Quiz	Chapter 1 Opener: Quiz	[1.11 min]	Whole clip
1	12	Video	Diffusion of Gases (Online)	[3.34 min]	Whole clip
2	19	Video	Chapter 2 Opener: Elements and Compounds	[1.14 min]	Whole clip
2	27	Video	Comparing the properties of a compound with those of its constituent elements	[3.54 min]	Whole clip
3	33	Video	Chapter 3 Opener: Iodine	[0.44 min]	Whole clip
3	34	Video	Voyage into the world of atoms (Online)	[2.01 min]	Whole clip
4	47	Video	Chapter 4 Opener: Properties of Substances	[0.35 min]	Whole clip
4	65	Video	Giant Covalent Structures (Online)	[2.30 min]	Whole clip

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
5	71	Video	Chapter 5 Opener: Writing Chemical Equations	[1.14 min]	Whole clip
5	77	Interactive	Balancing Chemical Equations (Online)	NA	NA
6	83	Video	Chapter 6 Opener: Units in Our Daily Life and in Chemistry	[0.55 min]	Whole clip
6	108	Interactive	Empirical Formulae and Percentage Compositions	NA	NA
7	113	PDF	Chapter 7 Opener: Article (Hydrogen-oxygen Fuel Cell Vehicles)	NA	NA
7	122	PDF	Article (Generating Oxygen in Space by Electrolysis)	NA	NA
8	131	Video	Chapter 8 Opener: Is Heat Absorbed or Gained in Each of These Changes?	[0.36 min]	Whole clip
9	145	Quiz	Chapter 9 Opener: Quiz	[1.01 min]	Whole clip
9	149	PDF	Article (Methane and Coal Dust)	NA	NA
10	163	Quiz	Chapter 10 Opener: Quiz	[1.11 min]	Whole clip
10	170	Interactive	Ammonia Formation	NA	NA
11	177	Video	Chapter 11 Opener: Oxidation and Reduction	[0.54 min]	Whole clip
11	181	Video	How to Make a Chemical Beard ("Metal Displacement" Experiment) (Online)	[1.06 min]	Whole clip
12	193	PDF	Chapter 12 Opener: Article (Hungarian Red Sludge)	NA	NA
12	196	Interactive	Reactions of Acids	NA	NA
13	219	Video	Chapter 13 Opener: How are Elements Arranged in the Periodic Table?	[0.55 min]	Whole clip
13	224	Video	Identifying Elements with Similar Properties	[1.32 min]	Whole clip
14	237	Quiz	Chapter 14 Opener: Quiz	[1.11 min]	Whole clip
14	245	Interactive	Reactions of Metals with Water and Steam	NA	NA
15	259	Video	Chapter 15 Opener: Air Pollution	[0.54 min]	Whole clip

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
15	271	Video	Climate Change	[1.16 min]	Whole clip
16	281	Video	Chapter 16 Opener: Petroleum	[0.52 min]	Whole clip
16	287	Interactive	Isomerism in Alkanes	NA	NA
17	302	Video	Chapter 17 Opener: Alkanes and Alkenes	[0.57 min]	Whole clip
18	317	Video	Chapter 18 Opener: Alcohols and Carboxylic Acids	[1.28 min]	Whole clip
18	328	PDF	Article (Pheromones)	NA	NA
19	333	Video	Chapter 19 Opener: Plastics	[1.03 min]	Whole clip
19	342	PDF	Article (Kelvar)	NA	NA
20	349	Quiz	Chapter 20 Opener: Quiz	[1.11 min]	Whole clip
20	377	Interactive	Qualitative Analysis	NA	NA

MCE Cambridge IGCSE™ Physics Student's Book Watch List

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
1	1	Video	Chapter 1 Opener: Physical Measurements of a Baby	[1.31 min]	Whole clip
1	3	PDF	The Mars Climate Orbiter Disaster	[1.10 min]	Whole clip
2	17	PDF	Chapter 2 Opener: Article (Average Speed)	[1.20 min]	Whole clip
2	24	Interactive	Sketching the Distance-time Graph	NA	NA
2	29	Video	The Apollo 15 Hammer-Feather Drop (Online)	[1.22 min]	Whole clip
3	35	Quiz	Chapter 3 Opener: Quiz	NA	NA
3	37	Interactive	Relationship between Mass and Weight	NA	NA
4	48	Video	Chapter 4 Opener: Forces Acting on a	[0.54 min]	Whole clip

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
			Flying Kite		
4	56	Interactive	Force and Motion	NA	NA
4	57	Video	Forces and Pressure	NA	NA
4	63	Interactive	Principles of Moments	NA	NA
5	72	Video	Chapter 5 Opener: Momentum and Impact of a Collision	[1.12 min]	Whole clip
5	77	Video	Crumple Zones	[0.35 min]	Whole clip
5	78	Video	Principle of Conservation of Momentum	[0.50 min]	Whole clip
6	83	Video	Chapter 6 Opener: Energy Transfers During a Roller Coaster Ride	[0.36 min]	Whole clip
6	95	Video	Solar Chicken	[2.06 min]	Whole clip
7	102	Video	Chapter 7 Opener: Everyday Examples Related to Pressure	[0.37 min]	Whole clip
8	112	Video	Chapter 8 Opener: The Three States of Water	[0.58 min]	Whole clip
8	116	Video	Kinetic Model of Solids	NA	NA
8	116	Video	Kinetic Model of Liquids	NA	NA
8	116	Video	Kinetic Model of Gases	NA	NA
8	117	Interactive	Brownian motion	NA	NA
8	120	Interactive	Pressure-temperature Relationship of a Gas	NA	NA
9	126	Video	Chapter 9 Opener: Quiz	NA	NA
9	127	Video	Thermal Expansion and Contraction of a Solid	[1.19 min]	Whole clip
10	142	Video	Chapter 10 Opener: How Do Emperor Penguins Conserve Thermal Energy?	[0.59 min]	Whole clip
10	145	Interactive	Factors Affecting the Rate of Conduction	NA	NA
10	148	Video	Convection of Water and Air	[1.23 min]	Whole clip

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
10	150	Video	Factors Affecting the Rate of Heat Transfer by Radiation	[3.05 min]	Whole clip
11	161	Video	Chapter 11 Opener: Stadium Wave	[0.46 min]	Whole clip
11	162	Interactive	Wave Motion	NA	NA
11	166	Interactive	Transverse Wave	NA	NA
12	179	Video	Chapter 12 Opener: How Does a Musical Fountain Work?	[0.44 min]	Whole clip
12	194	Video	Observing Total Internal Reflection	[2.56 min]	Whole clip
12	202	Interactive	Formation of Image by Lenses (Online)	NA	NA
12	203	Interactive	Short Sight and Long Sight	NA	NA
13	211	Video	Chapter 13 Opener: Electromagnetic Waves [Clip: 0.00 - 2.39]	[5.03 min]	[0.00-2.39 min]
13	212	Video	Searching for Invisible Electromagnetic Waves	[1.55 min]	Whole clip
14	223	Video	Chapter 14 Opener: Article (Does Sound Travel?)	[1.22 min]	Whole clip
14	224	Video	Producing Sound	[2.38 min]	Whole clip
15	237	Video	Chapter 15 Opener: How Does a Maglev Train Work?	[1.22 min]	Whole clip
15	241	Interactive	Magnetic Induction	NA	NA
15	243	Interactive	Temporary and Permanent Magnets	NA	NA
16	250	Video	Chapter 16 Opener: Lightning Formation [Online Clip: 0.00 - 2.30]	[4.32 min]	[0.00-2.30 min]
16	253	Interactive	John Travoltage	NA	NA
16	265	Interactive	Resistance	NA	NA
17	271	Video	Chapter 17 Opener: Using Electricity	[0.58 min]	Whole clip
17	291	Video	Studying the Working Principle of a Fuse	[1.26 min]	Whole clip
18	300	Video	Chapter 18 Opener: Uses of	[0.47 min]	Whole clip

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
			Electromagnetic Effects		
18	301	Interactive	Electromagnetic Induction	NA	NA
18	311	Interactive	Magnetic Field Patterns	NA	NA
18	315	Interactive	Force on a Current-carrying Conductor	NA	NA
19	331	Video	Chapter 19 Opener: A Boy and His Atom (Online)	[1.33 min]	Whole clip
19	339	Video	Nuclear Power	[1.42 min]	Whole clip
20	343	Video	Chapter 20 Opener: Radiation Exposure	[1.19 min]	Whole clip
21	363	Video	Chapter 21 Opener: Earthrise in 4K [Online Clip: 0.51 - 2.13]	[6.46 min]	[0.51 - 2.13 min]
21	367	Video	Time-lapse Clips of the longest day and shortest day at the same place.	[5.55 min]	Whole clip
22	377	Video	Chapter 22 Opener: Hubble's Telescope and Its Contribution to Astronomy [Online Clip: 0.09 - 2.23]	[3.30 min]	[0.09 - 2.23 min]
22	382	Video	Doppler Effect	[0.15 min]	Whole clip

MCE Cambridge IGCSE™ Computer Science Student's Book Watch List

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
2	21	Web	Chapter 2 Opener: Data Transmission explained	[14.09 min]	Whole clip
3	33	Web	Chapter 3 Opener: The CPU and Von Neumann Architecture	[9.23 min]	Whole clip
5	67	Web	Chapter 5 Opener: The Internet - Cybersecurity & Crime	[5.01 min]	Whole clip
7	93	Web	Chapter 7 Opener: Computer Science Basics (Algorithms)	[2.29 min]	Whole clip

MCE Cambridge IGCSE™ Information and Communication Technology (ICT) Student's Book Watch List

Chapter Number	Book Page	Resource Type	Resource Title	Duration of video	Clip timing for review
3	41	Web	Chapter 3 Opener: History of Computer Storage	[6.33 min]	Whole clip
9	141	Web	Chapter 9 Opener: Copyright Basics	[6.19 min]	Whole clip
10	149	Web	Chapter 10 Opener: What is the Internet	[3.44 min]	Whole clip
11	165	Web	Chapter 11 Opener: Windows 10 - File Explorer & Management - How to Organize Computer Files and Folders System Tutorial	[10.26 min]	Whole clip
13	193	Web	Chapter 13 Opener: Working with Images and Objects in documents - MS Word Tips	[9.33 min]	Whole clip
15	227	Web	Word 14 - Proof-reading with Word	[3.13 min]	Whole clip
19	291	Web	The Beginner's Guide to Microsoft Powerpoint	[23.12 min]	Whole clip