HMH**PLAYER**™

Making 1:1 Learning a Reality

▶ **Version 1.2 FAQ**

HMH Player™ is a revolutionary new learning app that **FITS**—how you *teach* and how your students *learn*, for real-time collaboration!

F **Flexible**

content that is available online, offline, and on the go
- students are engaged in class, at home, and anywhere in between for uninterrupted instruction
- teachers can monitor student progress in real time
- delivers personalized learning using teacher lesson customization features

I **Intuitive**

turn it on and you're ready to go
- easily accessible tools tailored to teachers and students
- navigation and interface grows with the student
- takes advantage of the user friendly capabilities of iOS® and Chrome™

T **Transformative**

launches a new paradigm in teaching and learning
- unparalleled take-it-anywhere digital learning
- raise-my-hand instant student-teacher-student communication
- supports blended learning through anywhere digital instruction

S **Streamlined**

one app, one convenient access point
- one account whether on *HMH Player* or HMH® online
- one app for both teachers and students to use anywhere
- teachers present, communicate, and monitor from the same app

Table of Contents

HMH Player Basics

What is *HMH Player*?

HMH Player is a new and exciting app from **Houghton Mifflin Harcourt**™ that connects teachers and students directly to *HMH Player*-enabled content. What makes *HMH Player* unique are its capabilities. With the *HMH Player* app, teachers and students can access their *HMH Player*-enabled content while connected to the Internet from iPad®, Chromebook™, and laptop or desktop computer and download the content to their devices for offline access at any time. In addition, *HMH Player* includes powerful presentation tools for teachers and collaboration tools that keep teachers and students connected.

How do I get *HMH Player*?

The *HMH Player* app is designed for iPad, Chromebook, and laptop/desktop computers running the Chrome browser.

- iPad users can download the free *HMH Player* app from the **App Store**ᔆᴹ **on iTunes**®

- Chromebook and Chrome browser users can download the free *HMH Player* app from the **Google Chrome™ Web Store**

The download process is quick, easy, and identical to the process for any app within iTunes or Google app stores.

Is the *HMH Player* app for me?

While the app itself is free to download, it includes no internal content. Anyone who wishes to make use of the app needs to be a licensed user of *HMH Player*-enabled digital content from HMH.

For 2015, HMH has enabled the following programs for use with *HMH Player.*

HMH ***AGA (Algebra I, Geometry, Algebra II)***
HMH ***Integrated Mathematics 1, 2, 3***
GO Math! ™ K–6
GO Math 6–8

For a complete listing of *HMH Player*-enabled programs, see pages 5–7.

Users will also need valid ThinkCentral or my.hrw.com login credentials and be assigned to a class with *HMH Player*-enabled content.

Device and Operating System Compatibility

What devices does the _HMH Player_ app run on?

HMH Player will run on the following hardware and operating system configurations
- Chrome
  - Any Chromebook, Windows®, or Mac® laptop or desktop capable of running the latest Chrome browser
- iOS
  - iPad from Apple® capable of running iOS 7+

What devices doesn't the _HMH Player_ app run on?

The following devices /operating systems do not presently run _HMH Player_
- iPhone® (all generations)
- Any Android™-based device, including Google® (Asus) Nexus® tablets and Samsung® tablets
- Microsoft Surface® or other Windows RT mobile devices

ThinkCentral: Setting Up for _HMH Player_-enabled Programs

Requirements:
- Teachers need a valid ThinkCentral username and password to:
  - Set up a class on ThinkCentral
  - Associate one of the _HMH Player_ enabled programs with the class
  - Assign students to the class
- Students need a valid ThinkCentral login username and password to:
  - Be assigned to a class that includes _HMH Player_-enabled content

Logging into the _HMH Player_ app

Launch _HMH Player_ on iPad, Chromebook, or computer running the Chrome browser

Grade K–6 Programs (ThinkCentral)
- Select Elementary School on _HMH Player_ login page
- Select your State
- Select your District
- Select your School
- Enter your ThinkCentral username in the Username field
- Enter your ThinkCentral password in the Password field
- Click or tap the "Log In" button

The ThinkCentral credentials must be that of a user who is enrolled in a class allocated with one or more product ISBNs that are "*HMH Player* enabled."

HMH Player-enabled courses on ThinkCentral

Product	ISBN
California *GO Math!* Grade K	9780544275423
California *GO Math!* Grade 1	9780544273924
California *GO Math!* Grade 2	9780544275225
California *GO Math!* Grade 3	9780544273726
California *GO Math!* Grade 4	9780544272927
California *GO Math!* Grade 5	9780544273528
California *GO Math!* Grade 6	9780544272729
GO Math! Grade K	9780544348981
GO Math! Grade 1	9780544348998
GO Math! Grade 2	9780544349001
GO Math! Grade 3	9780544349018
GO Math! Grade 4	9780544349025
GO Math! Grade 5	9780544349032
GO Math! Grade 6	9780544349049

my.hrw.com: Setting Up for *HMH Player*-enabled Programs

Requirements:
- Teachers need a valid my.hrw.com username and password to:
  – Set up a class on my.hrw.com
  – Associate one of the *HMH Player*-enabled programs with the class
  – Assign students to the class
- Students need a valid my.hrw.com username and password to:
  – Be assigned to a class that includes *HMH Player*-enabled content

Logging into the *HMH Player* app

Launch *HMH Player* on iPad, Chromebook, or computer running the Chrome browser

Grade 6–12 Programs (my.hrw.com)
- Select Middle School/High School in the first field
- Enter your my.hrw.com username in the Username field
- Enter your my.hrw.com password in the Password field
- Click or tap the "Log In" button

The my.hrw.com credentials must be that of a user who is enrolled in a class allocated with one or more product ISBNs that are "*HMH Player*-enabled."

HMH Player-enabled courses on my.hrw.com

Product	ISBN
TX *Algebra 1* Online Teacher Resource Management Center, 6-year access	9780544361669
TX *Geometry* Online Teacher Resource Management Center, 6-year access	9780544362826
TX *Algebra 2* Online Teacher Resource Management Center, 6-year access	9780544362055
California *GO Math* 2015 Grade 6	Middle School	9780544248526
California *GO Math* 2015 Grade 7	Middle School	9780544248533
California *GO Math* 2015 Grade 8	Middle School	9780544248540
California *GO Math Algebra 1: Analyze, Connect, Explore*	9780544249691

California *GO Math* Accelerated Grade 7	9780544248717
HMH California *Algebra 1*	9780544386020
HMH California *Geometry*	9780544385870
HMH California *Algebra 2*	9780544385979
HMH California *Integrated Mathematics 1*	9780544441507
HMH California *Integrated Mathematics 2*	9780544441514
HMH California *Integrated Mathematics 3*	9780544441521
***GO Math* Middle School, Grade 6**	9780544083059
***GO Math* Middle School, Grade 7**	9780544083073
GO Math Middle School, Grade 8	9780544083080
GO Math Algebra 1: Analyze, Connect, Explore	9780544102453
***GO Math* Middle School Accelerated Grade 7**	9780544146815
HMH *Algebra 1*	9780544381964
HMH *Geometry*	9780544385825
HMH *Algebra 2*	9780544385924
HMH *Integrated Mathematics 1*	9780544389786
HMH *Integrated Mathematics 2*	9780544389861
HMH *Integrated Mathematics 3*	9780544389915

HMH Player Tutorial Videos

HMH has prepared several *HMH Player* tutorial videos to assist customers with using and learning about the *HMH Player* app. You can find links to the tutorials online at our HMH Customer Care site where they are available 24/7, 365 days a year.

Customer Care

Current tutorial video list:

Logging In As a ThinkCentral User
Logging In As a my.hrw.com User
Using the *HMH Player* Menu
Navigating the Dashboard
Viewing Lessons
Creating a Custom Lesson

Editing a Lesson
Customizing a Lesson
Creating An Assignment From the Assignments Panel
Creating an Assignment From a Lesson
Using Collaboration

Online/Offline Usage

An explanation of content access using *HMH Player*

HMH Player allows users to access content when a device is connected to the Internet (online) and when it is not connected to the Internet (offline).

First, when online, anytime the user selects to access a lesson, *HMH Player* will begin a process where all related data and lesson content is pulled down from the Internet and loaded into *HMH Player's* built-in browser for online viewing. The lesson begins once the loading is complete.

Second, *HMH Player* allows the user to download complete lesson data to the device's local file system for use when the device is offline. It is important to remember that in order to access content offline, the user must have previously downloaded the specific content while the device was online.

Finally, when a user accesses the content while the device is offline, it will capture the user performance data and update the user's records the next time the device is online.
The device will sync automatically when an Internet connection is restored, but the user can also choose to manually sync when the device is online again.

Can Students and Teachers download customized lessons for offline use?

No, HMH is not in a position to cache this content for offline use since teachers can include externally hosted (non-HMH) content in their customized lessons.

Can I login to *HMH Player* when my device is offline?

If the device is not connected to the Internet, the login mode will revert to the "offline login" status, enabling users to access *HMH Player* features that have been designed to work in an offline state. This feature requires that at least one previous login was performed while the device was online, which is how *HMH Player* performs the initial content access and entitlement check, along with the initial access and caching of content metadata.

How long does offline content stay on my device?

Offline content will stay on the device until the point at which you decide to remove it. Note that periodically, the app will require an online connection, so that we can maintain proper content entitlement checks. Should your entitlements expire, the content will remain on the device but will be effectively inaccessible because you will not be able to access the app to see or use it.

What is the average size of each lesson I can save for offline use?

Component	DLO Download #1	DLO Downloads #2–n
DLO data	8MB	8MB
Lesson resources	5MB	5MB
Lesson Video	30MB	30MB
Tools	30MB	--
MathJax	40MB	--
Total	**113MB**	**43MB**

The column entitled **DLO Download #1** in the table above indicates the amount of disc space for the first DLO (Digital Learning Object) a user downloads. The size is larger because the system downloads additional Tools and MathJax libraries, which consume 170MB. Once the first DLO is downloaded, subsequent downloads will share the Tools and MathJax content, so the file size will decrease dramatically to an average of 43MB. Note that if the student or teacher decides to remove all downloaded DLOs, they will again have to download the shared Tools and MathJax libraries, resulting in a larger file download.

# Teacher: Using the Player for Instruction

How does a teacher use *HMH Player* for Instruction?

There are many ways for a teacher to employ *HMH Player* within the classroom. *HMH Player* consists of the functional areas as described below. The descriptions provide insight into the various ways that *HMH Player* can be used, but this is by no means an exhaustive list, as the possibilities are truly endless.
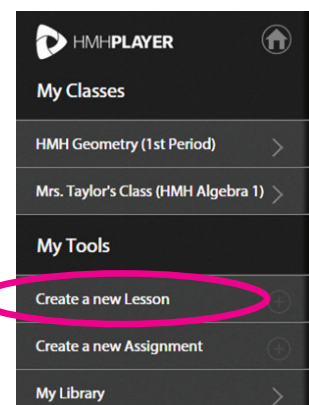
Lesson Customization

Creating Lessons

To create a lesson, tap/click the *HMH Player* Menu (top left of the screen)
and then select "Create a new Lesson"
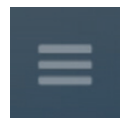
You will then need to choose "Create" which provides you with the ability to build a lesson with your own resources.

When creating a lesson, *HMH Player* offers a simple and highly intuitive feature called the "Tool Tray" to support the creation of custom interactive lessons.
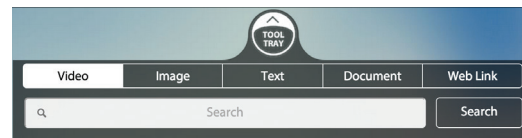
The Tool Tray offers built-in search tools, text editors, and document import capabilities that make lesson creation a snap. All custom lessons created within a class are available for quick access by the teacher within the teacher's "My Library." Custom lessons can also be positioned alongside HMH-provided lessons directly within the course's Table of Contents for student access. The design of the Tool Tray and associated features set relating to Content Creation is designed to be convenient and intuitive, so that teachers can quickly jump into the tool and begin creating engaging, customized lessons.

Customizing HMH content

Teachers are able to add custom content resources to HMH lessons, placing their own resources before, in-between, or after any of the steps within HMH content's "5E" lesson model. Teachers use *HMH Player's* Tool Tray feature to add Web links, video links, image links, text passages, and uploaded documents. *

* Document upload is supported on Chrome version only.

Uploading my own files: Chrome Only

Teachers using the Chrome app can upload PDF, text, and image files (.pdf, .txt, .jpg, .png. and .gif). There is a 5MB per file limitation, but no limit on the overall number of files that can be uploaded. This feature is limited to the Chrome version only.

Are Custom Lessons assignable within *HMH Player*?

Yes. A customized lesson is assignable within *HMH Player*. A teacher must use the "publish" feature to place their customized content within the table of contents for the current program, thereby enabling students to access the custom lesson.

Are customized Lessons available to download for offline use?

No. Teachers can customize lessons using tools that are designed specifically to access externally hosted (non-HMH) content on the Web. Because HMH does not control this content, we are not in a position to cache this content for offline use.

Assignment

HMH Player offers a teacher-friendly assignment feature, which enables teachers to select HMH Lessons and Personal Math Trainer® Powered by Knewton™ activities and assign the content to one or more students within a class. A start date and due date, assignment title, and notes are all that are required to create a lesson. The process is straightforward and can be used for

homework, in-class work, or any other application where a teacher needs to track student progress against a specific lesson or assessment.

Reporting

The teacher has two reporting views in *HMH Player*: Assignments and Progress. The Assignment view provides the teacher with a simple and elegant "gradebook" style view showing assignments in each column and students in each row. The Assignment view offers features such as average class and per-student scores, and provides the ability to drill down into an assignment detail or an item-analysis view that indicates if the student selected a correct or incorrect answer for each item in the assessment. The Progress report provides a quick view "temperature check" on student progress against standards. This view is intended to give teachers a pivot from the score-based view of the Assignment feature to a standards-based view, which is critical for teachers and students who are accountable for achieving mastery against required educational standards.

Teacher Presentation Tools

HMH Player enables the teacher to present both HMH and custom content resources to a projection system or an interactive whiteboard, and alternatively, directly to student devices: a feature that is particularly convenient for 1:1 implementations.

Presenting from a Laptop/Desktop via Chrome

If the teacher is using the Chrome app via a laptop or desktop computer, which is in turn connected to a projection system or an interactive whiteboard, the computer screen can be called up directly and projected for students to view. Note that in this model, the teacher's Collaboration Panel will be visible to students, which may not be desirable in a 1:1 situation where each student has a device and the student-teacher chat feature is being actively used.

Presenting from iPad

If the teacher is using an iPad, she has a more attractive option of wirelessly mirroring her iPad's display via Reflector® or AirServer™ (low-cost software that turns any networked Mac or PC into an AirPlay® receiver). In this presentation mode, *HMH Player* will only present the content portion of the display to the large format screen, and the Collaboration Panel will be hidden from view, remaining visible on the teacher iPad only. This enables students and teacher to communicate via the chat feature, without the rest of the class seeing the communication.

Collaboration Tools

Teacher: Launching a Collaboration Session

A teacher initiates a Collaboration Session from within *HMH Player*.

The process is simple:

1. Tap/click the Collaboration Tab on the right side of the screen.

2. Tap/click the "Start" button and a Collaboration Session invitation code will appear.

You then need to convey the short invitation code to the students, who in turn tap the "Join a Class" button on their devices.

Note: Each session will have its own unique invitation code.
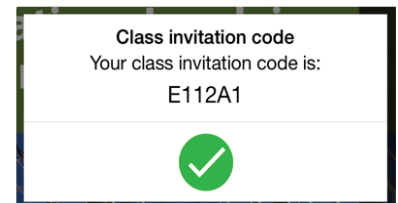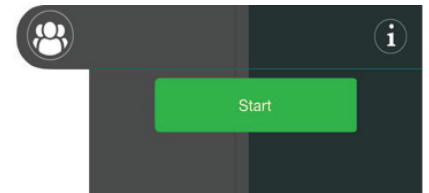
As students begin to join the session, the teacher will see the student names turn from gray to white, indicating students can now chat directly with the teacher. They can also raise their hands (virtually, that is) if they have a question or if the teacher does a quick ad hoc poll to check for understanding. This feature is particularly powerful in 1:1 scenarios, where each student has a device running *HMH Player*.

Teacher: Drawing Tools

Once a teacher starts a Collaboration Session on a device, the teacher also has access to a set of simple but effective drawing tools, which include a color palette, to visually assist instruction by annotating the HMH content. Toggling between the Whiteboard button and On button provides the teacher a demonstration workspace (Whiteboard) separate from the lesson page (On).

Note: Whatever you draw on the screen will be displayed whether you have selected Whiteboard or On. Your drawing will be preserved if you select Off mode and until you either use the Erase or Clear tool or end the session.
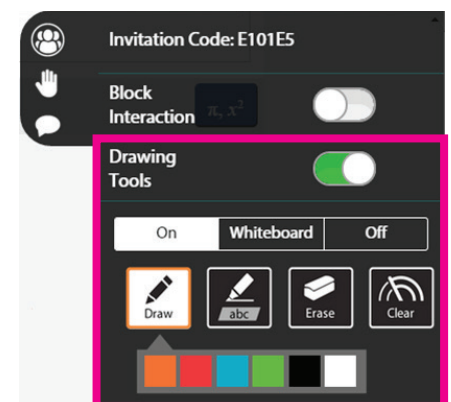
## Student: Entering a Collaboration Session

Students using *HMH Player* on their own device use the invitation code sent by the teacher to join the current session.

The process is simple:

1. Students select the *HMH Player* menu in the top left corner of the screen.

2. Students select "Collaborative Classroom" from the menu.

3. Students enter the invitation code and click the green check mark.
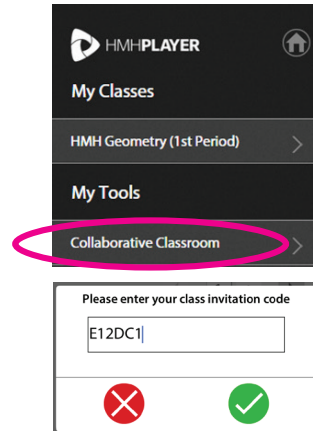
Students can use the Raise My Hand tool to send a chat message to the teacher.
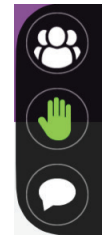
Can students chat directly with each other?

No. Students can only communicate with the teacher directly. Students will not see other student messages—only the teacher will see the student's individual chats.

Note: Student-to-teacher "chat" communications can only be initiated during a collaborative class session.

Updates to *HMH Player*

Over the course of the school year HMH may release updates to *HMH Player* with new features. These updates will utilize the standard iOS and Chrome update processes and users should follow the appropriate iOS or Chrome procedures for receiving these updates.

Glossary of Terms Used within this Document

AGA (Algebra 1, Geometry, Algebra 2) – This convention is used within HMH to denote the core high school math courses.
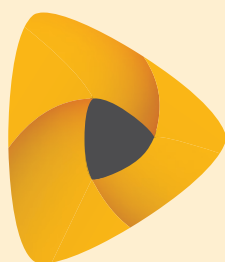
CPA (Chrome Packaged App) – *HMH Player* is a type of Chrome app that runs "outside" the Chrome browser, from a user's perspective. Unlike a standard Chrome app, which will launch inside a standard Chrome browser window, the Packaged App appears to run as its own application. The Packaged App approach enables *HMH Player* to more efficiently handle the downloading of content for offline use, among other benefits. Note that the user still must have the Chrome browser installed in order to run the CPA, just as with any other Chrome app. Also, as with all Chrome apps, the *HMH Player* app can be managed on the user's local device via the Chrome extensions manager.

DLO (Digital Learning Object) – The DLO is equivalent to a single online lesson. The DLO contains interactive examples, as well as assessment, and it follows the "5E" model of instruction (Engage, Explore, Explain, Elaborate, Evaluate).

my.hrw.com – HMH's online learning website for Grades 6–12.

ThinkCentral – HMH's online learning website for Grades K–6. Some programs, such as *ScienceFusion*, include support for Grades K–8.

TOC (Table of Contents) – The list of all lessons within a specific program. The list includes HMH-provided lessons, as well as any custom lesson that the teacher publishes to the TOC.

HMH**PLAYER**™

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Connect with us:

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