User Manual

Simulation-based to revitalize the global Korean food industry Non-face-to-face K-Food education/training data and service development

Knowledge Service Industry Technology Development Project - Service Industry Convergence and Advanced Technology Development

Wedu x Woosong Univ x Dcarrick Ministry of Trade, Industry and Energy, Republic of Korea

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1. Content overview

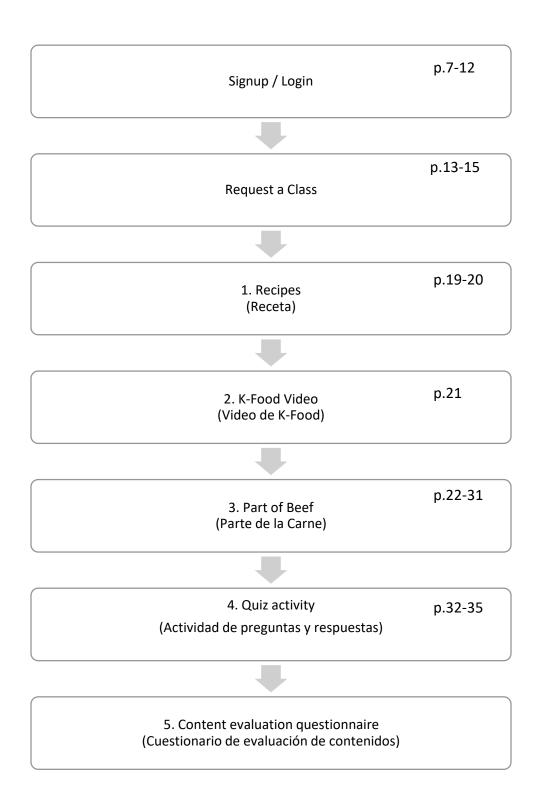
Welcome to K-CULTURE.

This content is dedicated to K-Food, which refers to a variety of foods, traditional Korean dishes and foods that are symbols of Korean food culture, and the need for efficient and proper education and training on them. We have developed an open learning platform that promotes lifelong learning, and we have integrated the latest technology to innovate contactless education. The K-Food training platform is designed to be globally accessible, so you can learn about Korean food anytime, anywhere. The platform organized and researched old educational know-how on Korean food to systematize the knowledge of the K-Food industry. By developing comprehensive training modules that focus on the preparation of ingredients, the cooking process, and the finished product, we aim to effectively convey the cooking know-how of K-Food even to beginners.

- Learning content includes an introduction to K-Food and a comprehensive training module
- Innovative learning platform with immersive technology
- Global accessibility to be applied and utilized by educational institutions around the world

Category	Description
Content name	K-CULTURE
Configuration	Learning Platform (LMS) - Media Courses - VR Courses
Content minimum Specifications	 Graphics Card : mx350 CPU : i5 1135g7 RAM : 8 GB *Net environment is important because it works on the web
Educational Equipment	PC, VR
Training Hours	Individual content approx. 03-30 minutes Approx. 000 minutes total

1. Content overview



2. Preparation

Category		Learner Perspectives & Going It Alone	Educator Perspectives & Working in Teams
	Acquire equipment	Create and verify access to learner personal accounts	Create and verify access to educator and learner accounts
	Secure Wi- Fi	Verify that the content site is seamless to use	Check your servers and routers to make sure they can handle multiple people accessing your content
	Acquire Materials	Prepare the ingredients listed in the recipe for the menu you're studying in the amount indicated (per serving or per batch)	Prepare the ingredients listed in the recipe for the menu you're learning about in the amount indicated (per serving or batch) x Number of learners
Before learning	Cookware Secure	Prepare the cookware and supplies needed for each recipe, etc.	Prepare for the number of learners by identifying the cookware and supplies needed for each recipe.
	Free up space	Secure a safe area for learning, such as a room or kitchen.	Ensure a safe and sufficient lab area, such as a room or kitchen, for learning.
	ID	Create and verify access to learner personal accounts	Create and verify access to educator and learner accounts
	Advance guidance	Awareness of learning objectives, implications, and assessment-related content	Guidance and motivation, including learning objectives and implications, and grade correlation to assessment- related content
Start learning	Read the caveats and Sharing	How to stay safe before, during, and after using immersive content Verification	How to stay safe before, during, and after using immersive content with learners to ensure
End of Learning	Assess learning	View your assessment score as you progress through the course Prepare your camera for submitting your lab completion (self-check)	Consider how you'll score assessments made during the course Choose how to submit lab completions (photo or real food) and consider how they will be evaluated.

3. User Manual

1) Download

Visit K-CULTURE website(https://wedu.k-steam.com/) (1)CH-CULTURE 🐣 Login | Signup Search for courses and course materials Q ≜≡ Learning How to Become a K-chef Course ✓ K-FOOD recipes How to videos Mv Real time classes Classroom Practice with meal kit Well-known professors from Woosong University User Manual **CHORE** (D) LMS USE TIP ~ View Microlearning Help Center Symbol

(2) 'K-CULTURE LMS USE TIP' / 'User Manual' click and then download '[K-CULTURE] User Manual for CETT. PDF' file

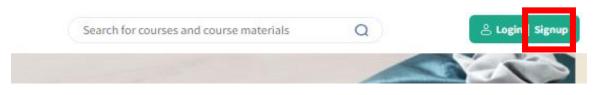
Lear	ning Materials				
Sear	ch title, content Search				Write
Num		Title	Writer	Date	Answered or not
2	K-CULTURE User Manual		강**	2023-11-07	-
1	K-CULTURE 이용매뉴엌(군문)		갓**	2023-11-07	-
	(K-CULTU	RE] User Manuel f	for CETT	5	

1) Signup

1 Visit K-CULTURE website(<u>https://wedu.k-steam.com/</u>).



2 Click 'Signup.'

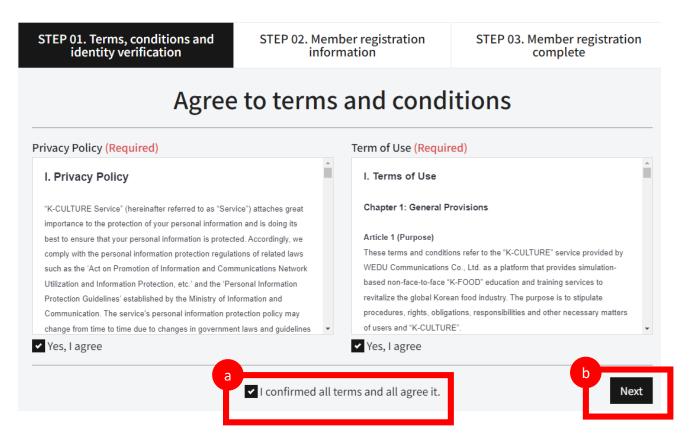


1) Signup

② Click the consent check box below and click 'Next.'

Join Us

Welcome to K-CULTURE!



1) Signup

③ Fill out the registration form and click 'Next.'

Join Us

Welcome to K-CULTURE!

STEP 01. Terms, conditions and identity verification STEP 02. Member reg		gistration	STEP 03. Member registration complete	
a	Membe	er registratio	n inforr	mation
ID	Enter at least 6 characters usi	ng English letters, numbers	Duplicate ID ch	heck Enter at least 6 characters using English letters, numbers and special characters.
	After enter the ID, click 'Duplicate I	D check' button.		
Password	Enter at least 8 characters usi	ng a combination of English		characters using a combination of English s, special characters.
Password check	Enter at least 8 characters usi	ng a combination of English		
Name				
Address	ZIP Code			
	Enter your address.			
	Enter your detailed address.			
Mobile Phone				
E-mail	Enter your E-mail address.			
	If phone number and address is no	t correct, textbook delivery or Lectur	e-related information	n can be dropped.
Consent to receive	•	gree to receive E-mail 🗹 ot receive notices or guidance related	to course.	
				b

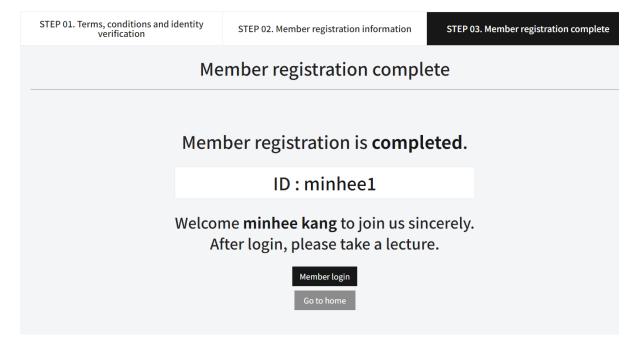
Next

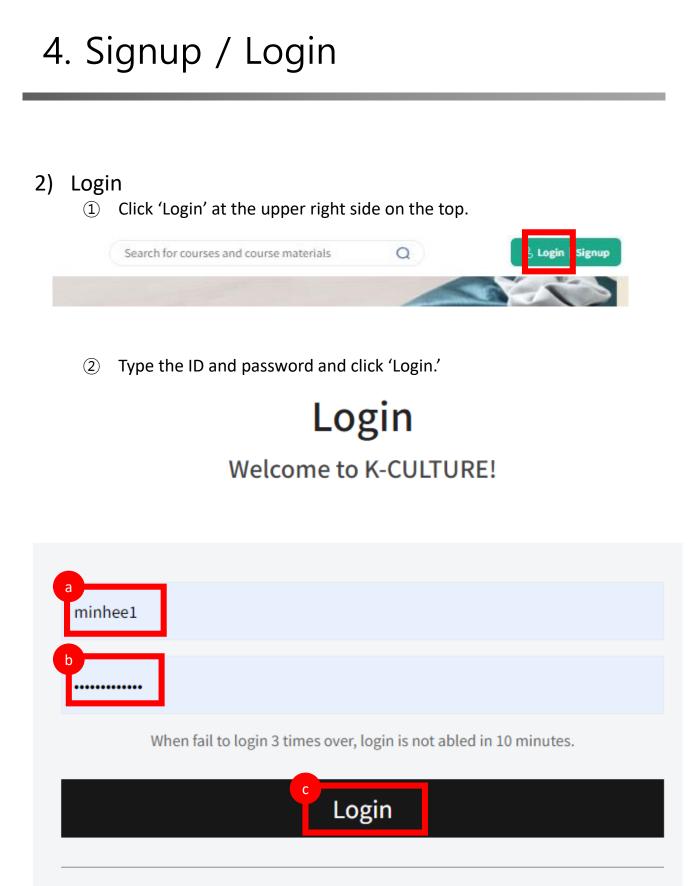
1) Signup

④ Signup is completed.

Join Us

Welcome to K-CULTURE.





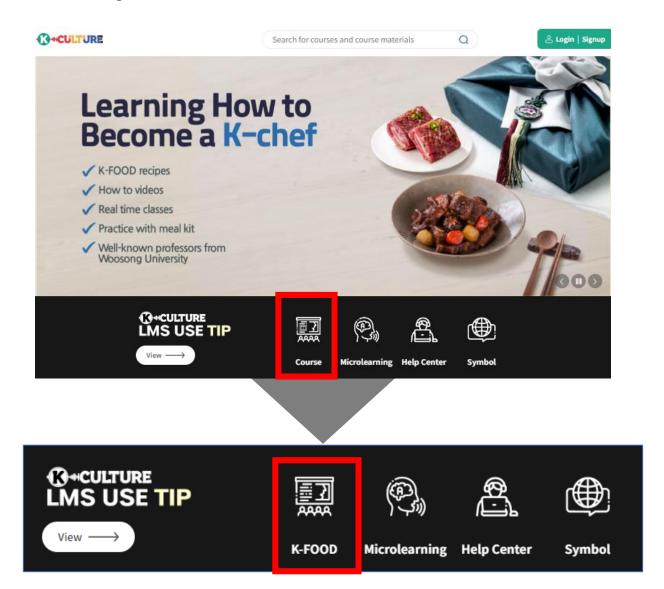
Join Us | ID Search | Reset PW

Save ID

5. Getting Started

1) Course Enrollment

1 Login and click 'K-FOOD.'



5. Getting Started

1) Course Enrollment

Click the course[Course name: Making Gimbap(Rice and laver roll)
 Category: Level 3].
 Or Hacer 'Kimbap' (Rollito de arroz y algas)

B Category	Level 3	300
View all		
Level 1	Applying period	
Level 2		Rice and laver roll)
Level 3	Applying period	2024.01.29 - 2024.06.30
	Course period	2024.01.29 - 202 <mark>4.06.3</mark> 0
	Total learning time	00:00:00 1 courses in t…

② Click 'Pay now.'(Price: 0 won)



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5. Getting Started

1) Course Enrollment

④ Click 'Selected item purchase' after checking the course and price.

Payment information

~	Textbook/ Co	urse name		Classification	Qty	Option	Price
∠	Making 'Gimbap' (Ri	ce and laver roll)		Lecture	1	Change	Amount 0 KRW Purchase price 0 KRW (Discount price 0 KRW)
Usable coup	on			Enter the coupon	number and click A	dd Coupon button	Coupon enrollment
Coupon	name	Contents	Usage	Expiration	on date	Other coupo	n redundant use
				No data			
	I	ōtal amount	0 KR	W Apply	/ coupon 01	KRW Discount	b
Select delete							Selected item purchase

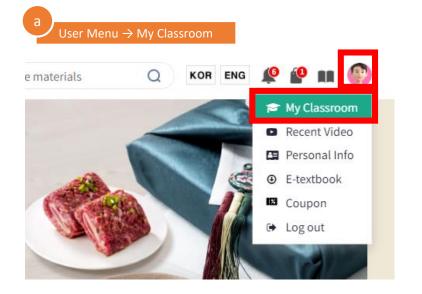
(5) Proceed the payment by clicking 'Pay now.'

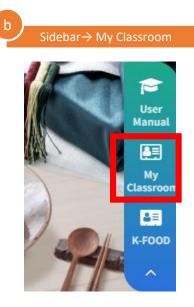
Payment information

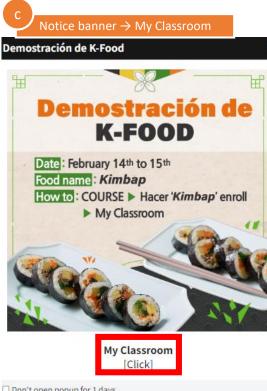
extbook/ Course name		Cla	ssification	Qty	Price
Making 'Gimbap' (Rice and	laver roll)		Lecture	1	A mount 0 KRW Purchase price 0 KRW (Discount price 0 KRW)
coupon					
Coupon name	Contents	Expiration	date	Other cou	pon redundant use
		No	data		
	Total amount	0 KRW	Apply coupon	0 KRW	
					b

1) Taking the Course

'My Classroom' enter 1



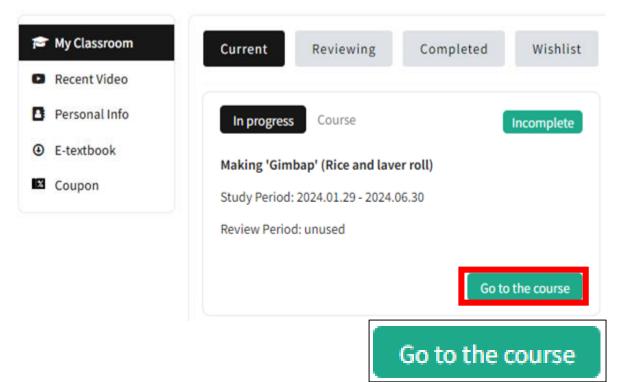




Don't open popup for 1 days.

1) Taking the Course

2 Click 'Go to the course' in My Classroom



1) Taking the Course

③ Start the Lesson 1.

Making	'Gimbap' (Rice and laver roll) woosong	Current Le	ecture	Ţ
Recen	t activity > Topic 1 > 2. K-Food Video			
Topic 1	,		Classroom menu	
6	1.Recipe Compilated	8	Course list	>
Ŭ	Read the <i>Gimbap</i> (Rice and laver roll) recipe before taking the class.	Ċ	Course notice	>
-		a	Reference	>
Þ	2. K-Food Video Completed	0	Course Q&A	>
	Learning Objectives 1. To learn how to cook <i>Gimbap</i> (Rice and laver roll)	0	Teaching plan	>
	2. To know and prepare all ingredients necessary for Gimbap	G	Attendance check	>
	*If you click 'Cooking Skill(<i>Gimbap</i>)' in the top left corner at 6 minutes and 8 seconds, you can experience the hand animation.	e	g Grade book	>
-		10	Completion status	
	3. Part of Beef Learning Objectives 1. To know part of beef(flesh and bone)	C V F	bout 10 mins to reflect ompletion status. fideo Progress 0 / 70 %) :	
e	4. Quiz tearning Objectives 1. To solve the quiz after prior learning)) A D	icore - / - point) : - / - ittendance - / -	ed
*	5. Main Learning Survey tecomplete		Lecture Contents	
	Hello, We are collecting opinions about the K-CULTURE platform and educational service that we have been providing to you developed as a government project 'Development of simulation-based non-face-to-face K-Food education/training dataization and service to vitalize the global Korean food industry.'	т	opic 1	>
	This is the main learning survey, and all of the questions are mandatory, however, feel free to answer the questions as it is not for the score, and your anonymity is perfectly preserved.			
	We appreciate your help and value every opinion. Thank you.			

1) Taking the Course

- ③ Start the Lesson 1.
 - When you finish the activity, **'Completed'** button will be turned into **yellow-green** whereas the others remained gray.

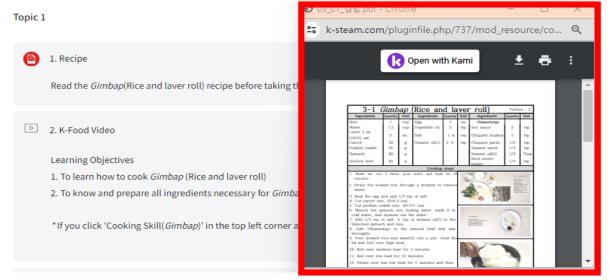
Topic		_	^
B	1. Recipe		Completed
	Read the Gimbap(Rice and laver roll) recipe before taking the class.	Completed	
	2. K-Food Video		Completed
	1. To learn how to cook <i>Gimbap</i> (Rice and laver roll)		
	2. To know and prepare all ingredients necessary for Gimbap		
	* If you click 'Cooking Skill(<i>Gimbap</i>)' in the top left corner at 6 minutes and	8 seconds, you can experience the har	nd animation.
P	3. Part of Beef		Incomplete
	Learning Objectives 1. To know part of beef(flesh and bone)		
P	4. Quiz		Incomplete
	Learning Objectives 1. To solve the quiz after prior learning		

1) Taking the Course

- ③ Start the Lesson 1.
 - Prior Learning:
 - 1. Recipe/Receta : Gimbap recipe PDF

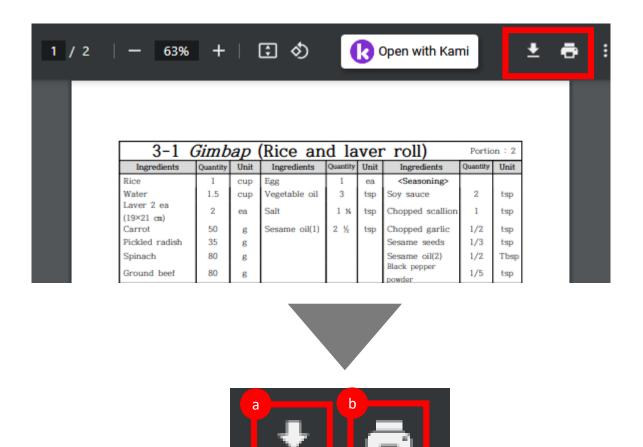
Topic 1	^
1. Recipe	Incomplete
D 2. K-Food Vi	leo
2. To know a	jectives ow to cook <i>Gimbap</i> (Rice and laver roll) nd prepare all ingredients necessary for <i>Gimbap</i> 'Cooking Skill(<i>Gimbap</i>)' in the top left corner at 6 minutes and 8 seconds, you can experience the hand animation.

When you click the 'Recipe' menu, Gimbap(Rice and laver roll)



1) Taking the Course

- ③ Start the Lesson 1.
 - Prior Learning:
 - > 1. Recipe/ Receta : Gimbap recipe PDF
 - ✓ You can download the file and also print it.



1) Taking the Course

③ Start the Lesson 1.

- Prior Learning:
 - 2. K-FOOD Video/Video de K-Food_: Gimbap recipe video

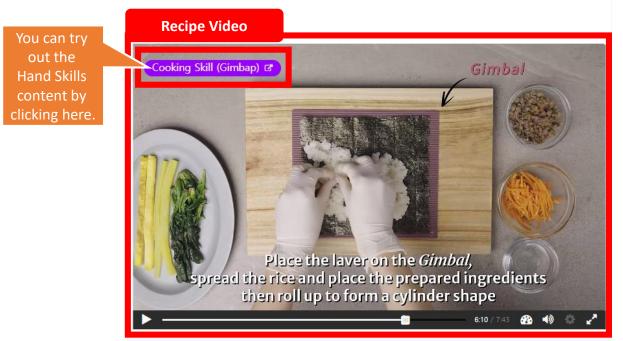
2. K-Food Video

Learning Objectives

1. To learn how to cook Gimbap (Rice and laver roll)

2. To know and prepare all ingredients necessary for Gimbap

* If you click 'Cooking Skill(Gimbap)' in the top left corner at 6 minutes and 8 seconds, you can experience the hand animation.



Recipe Video: Prior learning by watching this video before making food

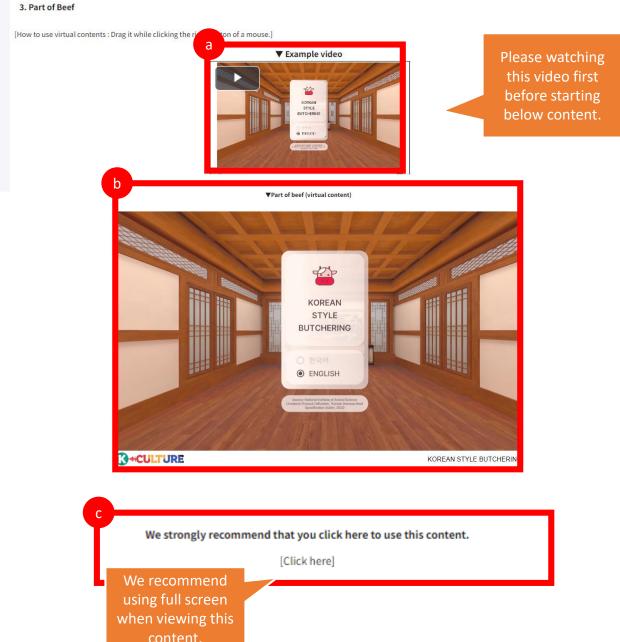
1) Topic 1	 3 Start the Lesson 1. Prior Learning: 3. Part of Beef /Parte de la Carne (virtual contents) 4. Quiz activity (Actividad de preguntas y respuestas () 	/irtual
B	1. Recipe Read the <i>Gimbap</i> (Rice and laver roll) recipe before taking the class.	Incomplete
Þ	2. K-Food Video	Incomplete
	Learning Objectives	
	1. To learn how to cook Gimbap (Rice and laver roll)	
	2. To know and prepare all ingredients necessary for Gimbap	
a —	*If you click 'Cooking Skill(<i>Gimbap</i>)' in the top left corner at 6 minutes and 8 seconds, you can experience the h animation.	and
B	3. Part of Beef	Incomplete
b	Learning Objectives 1. To know part of beef(flesh and bone)	
B	4. Quiz activity	Incomplete
	Learning Objectives 1. To solve the quiz after prior learning	

1) Taking the Course

③ Start the Lesson 1.

• Prior Learning:

3. Part of Beef /Parte de la Carne (virtual contents)/ contains 'Example Video', 'Part of beef (virtual contents)', and web page link below.



1) Taking the Course

- ③ Start the Lesson 1.
 - Prior Learning:

 \geq

4. Quiz activity/ Actividad de preguntas y respuestas(virtual contents) contains 'Example Video', 'Cooking simulation quiz (virtual contents)', and web page link below.



ENGLISH

[Click here]

We strongly recommend that you click here to use this content.

We recommend using full screen when viewing this content.

b

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COOKING SIMULATION QUIZ

Content Basic Controls Guide

Right-click and turn the mouse to move the screen viewpoint

*All operations are used only with the mouse. *Reference video: (<u>https://www.k-steam.com/exr/data1/recipe_video/guide_v0.1.mp4</u>)

Content Basic Setting

select

WEB CONTROL GUIDE	
VR CONTROL GUIDE	

Content link

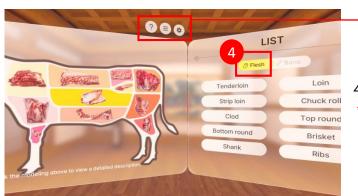
 Korean Style Butchering : <u>https://wedu.k-steam.com/exr/data1/Korean Style Butcherin 2.2.1/</u>
 Cooking Simulation Quiz : <u>https://wedu.k-steam.com/exr/data1/Cooking Simulation Quiz 2.2.1/</u>

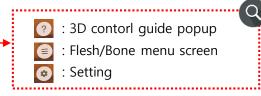
• Click the icon in the bottom right to play the content in full-screen mode.

* Contents time : About 10min

- **Content Controls Guide** 1) <Korean Style Butchering> Guide WEB CONTROL GUIDE 1. After confirming the control guide, click [OK] VR CONTROL GUIDE *After selecting 'Don't show gain' and clicking [OK], you can choose not to see the manipulation guide popup again Don't show OK : Control guide popup (: Mute all sound KOREAN STYLE 2. [Korean Style Butchering] button click BUTCHERING *Select a Korean/English language below. ENGLISH **3D VIEW CONTROL GUIDE**
 - SD VIEW CONTROL GUIDE Toom in - out Don't show again CK
 - 3. After confirming the 3D VIEW control guide, click [OK]

*After selecting 'Don't show gain' and clicking [OK], you can choose not to see the manipulation guide popup again





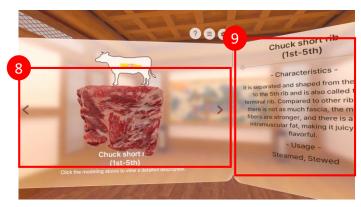
4. [Flesh] click *Select a category from Flesh/Bone



- 5. Click on [Ribs] button from the list on the right
 - 5-1. Or select [Ribs] model on the left



- 6. Check the characteristic and usage of Ribs
- 7. [Small division] click



- 8. Small divisions are displayed on the left screen, and other parts can be selected using the left and right arrow buttons.
- 9. Check the characteristic and usage of the selected part



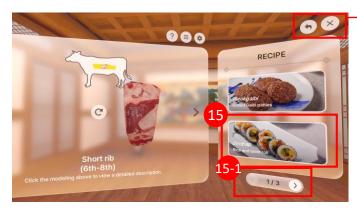
10. Click the right arrow button once and check the characteristic and usage of 'Short rib(6th-8th)'



 After manipulating 3D modeling, reset the position through the reset button
 [Styling Cut] button click



- 13. Check the styling cut using the selected part
- * When clicking on a photo, move to the next photo
- 14. [View Recipe] button click





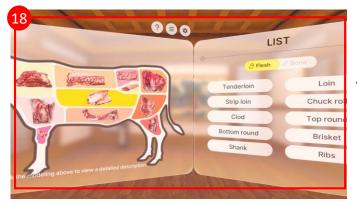
15. [Gimbap] Click15-1. Move to previous/next page







17. 🕤 : Back S : Go back to the beginning

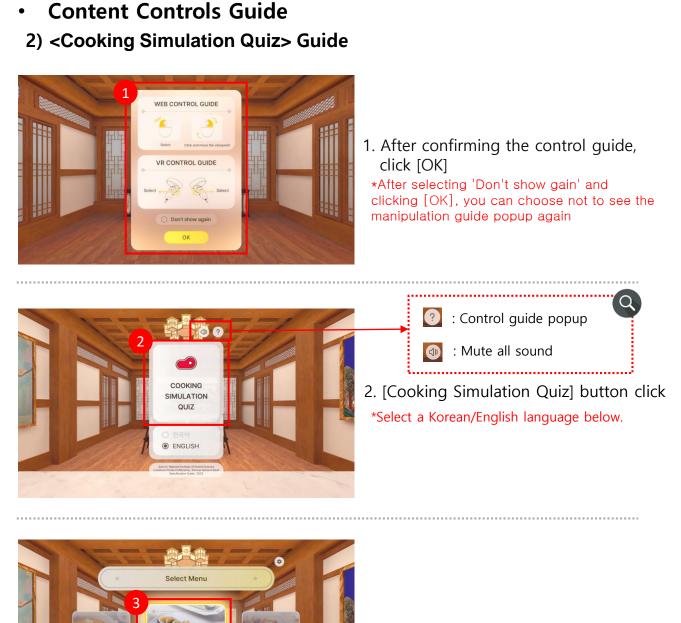


 Other parts can also be freely learned using the same method as above

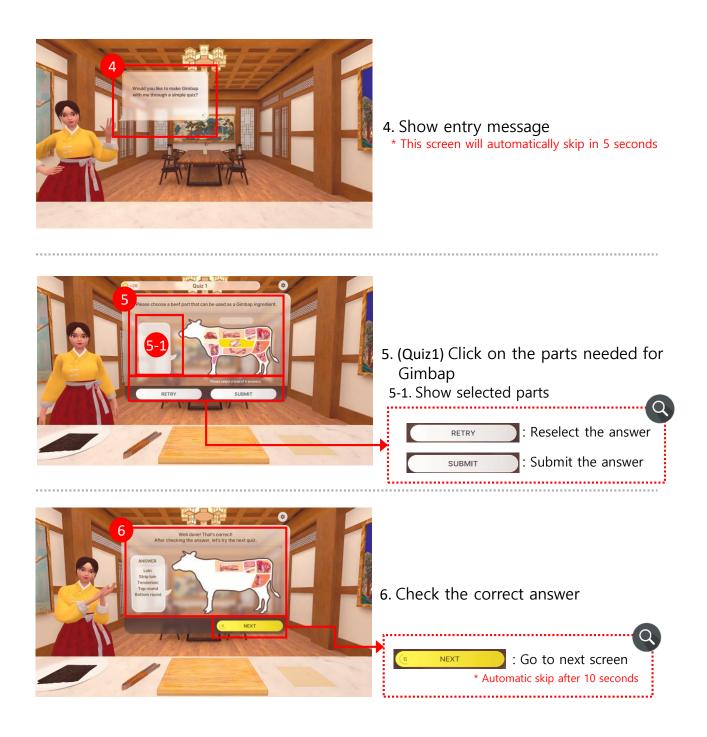


- 19. Click 🔯 at each screen
- Go To Home : Go to home screen
- SOUND ON/OFF icon
- Background sound volume control
- Button sound volume control

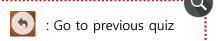
* Contents time : About 3-5min



3. [GIMBAP] button click







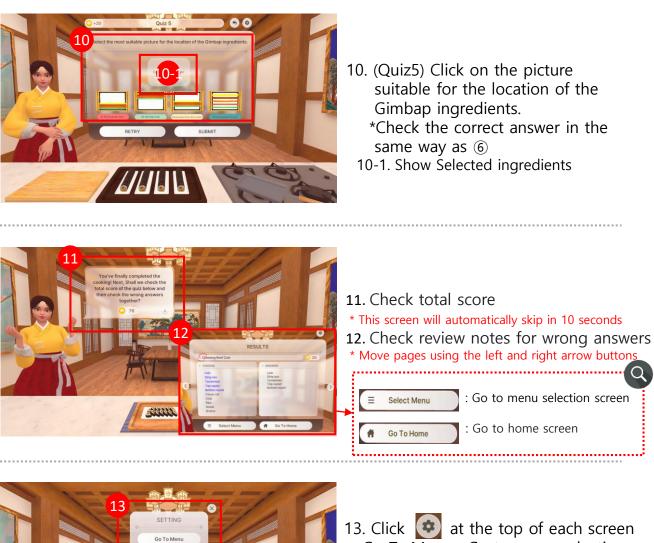
- 7. (Quiz2) Among the ingredients on the left, drag and drop the ingredients needed for Gimbap onto the right tray.
 - *Check the correct answer in the same way as 6
 - 7-1. Show selected ingredients



- 8. (Quiz3) Drag and drop Gimbap recipes from the right to the left in the correct order *Check the correct answer in the
 - same way as 6



- 9. (Quiz4) Click the answer for appropriate amount of soaked rice and water.
 *Check the correct answer in the
 - same way as 6
 - 9-1. Show selected ingredients



- Go To Menu : Go to menu selection
- Go To Home : Go to home screen
- SOUND ON/OFF icon
- Background sound volume control
- Button sound volume control

o To Hom

8. Cautions for use

Caution
 Safety tips before using immersive content Follow the instructions of your teacher or guardian when using immersive content. Make sure you have enough space around you. Clear up any obstacles around you safely. Avoid dangerous places such as stairs and railings. Wear a disposable VR mask when using HMD devices. When using an HMD, adjust the focus so that the screen is clearly visible.
 2. How to stay safe while using immersive content Use virtual reality (VR) content for no more than 10 minutes and not continuously. If you experience dizziness, motion sickness, or eye strain while using VR content, stop using it immediately and ask your teacher for help. When using augmented reality (AR) content, always be aware that over immersion can cause accidents. For your safety, do not charge your digital devices while using them. If my digital device gets too hot, stop using it immediately.
 3. Stay safe after using immersive content -Clean digital devices with disinfectant wipes or sanitizer after use. -Practice proper eye exercises and stretching after using digital devices.
 4. Do not use for any purpose other than education Beware of unauthorized recording, distribution, account sharing, etc. to avoid violating the copyright of the content.
 5. Be careful when using content and media devices during cooking labs There is a risk of media device failure or electric shock due to moisture, heat, etc. generated in the lab. Please consider how to use them safely when using them in the lab.