

We can't wait to introduce you to the incredible technology and people who make Amazon possible. Use this facilitation guide to provide an excellent tour experience for students at home or in the classroom!

### 1. Prepare for the tour

- Review the key learnings and facilitation guide documents. Click through the tour (independent play link below) on your own.
- Distribute graphic organizers (PDF, Word, Google Doc) to students if desired.

### 2. Select your tour style and length

#### Host a tour with student devices

A host projects the tour to a group and students join to compete against each other from separate devices.

- [Full Tour \(~40 minutes\)](#)

#### Project the tour without student devices

The host projects tour to group without students joining on separate devices.

- [Full Tour \(~40 minutes\)](#)

#### Share the tour for independent student play

Students complete the tour by themselves on their own devices. Teacher cannot see student responses.

- [Full Tour \(~40 minutes\)](#)

For additional support in setting up Kahoot, including creating a FREE teacher account, visit: <https://support.kahoot.com/hc/en-us>

### 3. Facilitate the tour

- Use the guide below to walk students through the tour. Ask students to share their thoughts or respond to questions to build more interaction.
- To advance slides, click "Got It" in the top right corner.
- Use our [Teacher Toolkit](#) for optional follow up activities and print completion certificates.


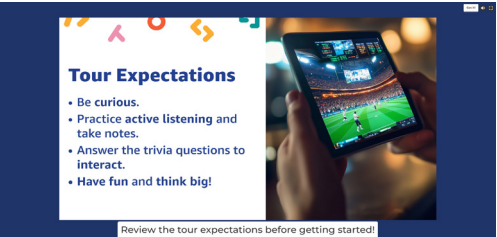
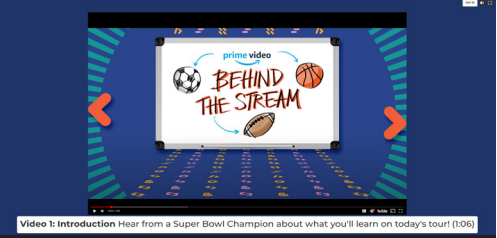
### Kahoot! Tips

- If the video clips are playing too softly, check that the volume bar on the Kahoot! platform is at maximum volume - it should also make the YouTube video full volume!
- There is no go back feature. If you need to go back to a video, the links to the segments on YouTube are provided in the facilitation guide below.
- Click the [ ] in the bottom right of the YouTube video to make full screen. Press esc to get out of full screen mode and return to the tour.

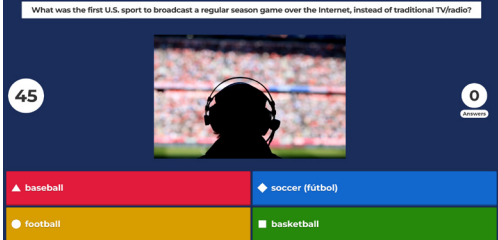
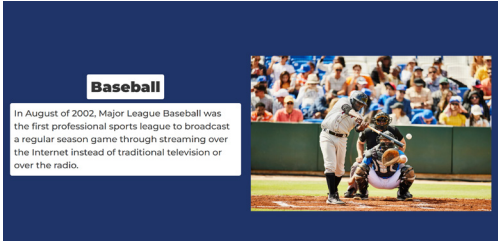
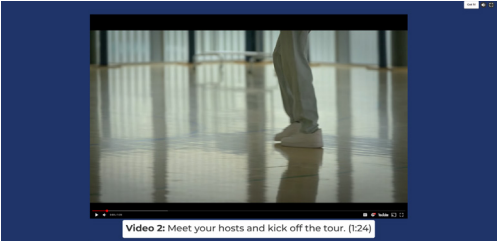
**Warning:** Hitting space bar auto-advances the slide with no go-back feature.

### 4. Get a Amazon Gift Card when you submit your feedback. [Complete this survey](#) to help us improve future tours and receive a \$5 Amazon Gift Card. (US Only)

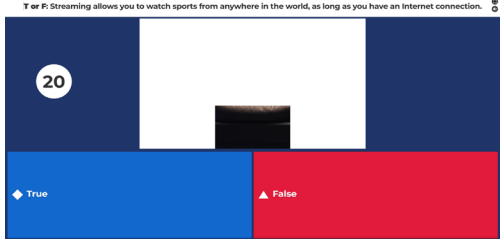
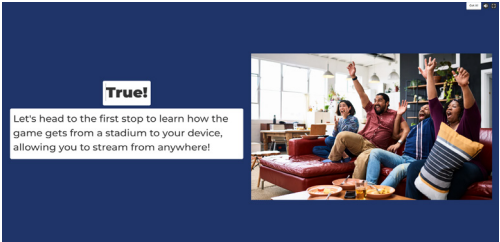
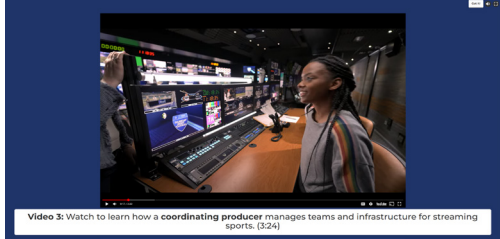
# Prime Video Sports: Behind the Streams Tour

Slide # (suggested time)	Slide Image	Facilitation Tips	Notes
1 30 sec	 <p>Grades 3+   Ages 8+ <b>Prime Video Sports: Behind the Streams</b> Full Tour   ~45 minutes</p> <p>Produced in partnership with amazon</p> <p>Welcome to the Prime Video Sports: Behind the Streams Tour! It will take about 45 minutes to complete.</p>	<p><b>Say:</b> "Today we're going to take you behind the scenes at Amazon to learn how people and computer science work together to bring you sports streams in near real-time!"</p> <p><b>Optional:</b> Ask a few students about what jobs they know about in sports. Tell students that today they'll learn about new careers that also work with sports every day.</p>	
2 30 sec	 <p><b>Tour Expectations</b></p> <ul style="list-style-type: none"><li>• Be curious.</li><li>• Practice active listening and take notes.</li><li>• Answer the trivia questions to interact.</li><li>• Have fun and think big!</li></ul> <p>Review the tour expectations before getting started!</p>	<p><b>Set tour expectations with your class.</b></p> <p>Read the expectations to students.</p> <p><b>Say:</b> "As we go through the tour, you will learn new vocabulary words and information. Be sure to take notes on your notecatcher! There will be a mix of polls and quiz questions. Polls won't count towards your points. Some quiz questions are worth 0 points, but all review quiz questions will be worth points - the fastest CORRECT answers get the most points. Let's see who will win today!"</p>	
3 1 min 15 sec	 <p>prime video <b>BEHIND THE STREAM</b></p> <p>Video 1: Introduction Hear from a Super Bowl Champion about what you'll learn on today's tour! (1:06)</p>	<p><b>Play Video 1: Intro (1:06)</b></p> <p><b>Say:</b> "On the next slide, is a question. It's okay if you don't get it right, there are plenty of other opportunities to earn points. What was the first major U.S. sport to stream a regular season game?" Select the answer you think are right.</p>	

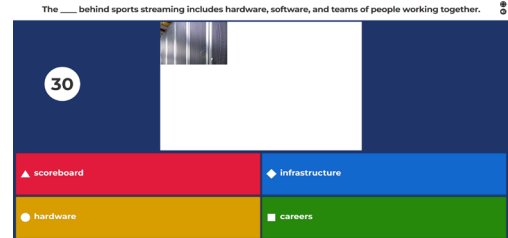
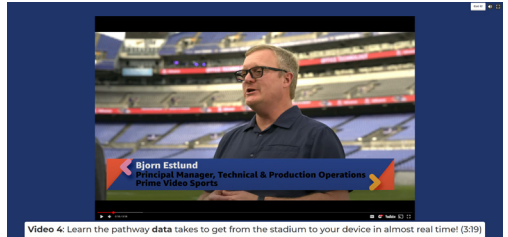
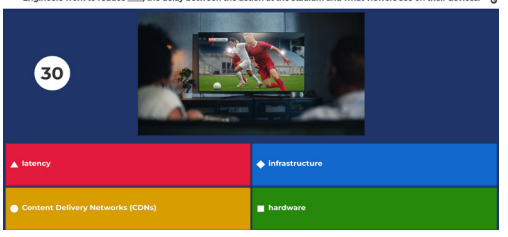
## Prime Video Sports: Behind the Streams Tour

Slide # (suggested time)	Slide Image	Facilitation Tips	Notes
4 45 sec		<p>Read the quiz question and answer choices to students: “What was the first major U.S. sport to broadcast a regular season game over the Internet, instead of traditional TV/radio?” Students answer the question. Acknowledge the answers.</p> <p><b>Correct Answer:</b> Baseball</p>	
5 30 sec		<p>Quickly read the slide.</p> <p><b>Then Say:</b> “Let’s now head to our first stop where we’ll meet the hosts of the tour.”</p>	
6 1 min 30 sec		<p><b>Play Video 2: Stop 0 (1:24)</b></p> <p><b>Then Say:</b> “Time for a quick true or false question. Streaming allows you to watch sports from anywhere in the world, as long as you have an Internet connection.”</p>	

## Prime Video Sports: Behind the Streams Tour

Slide # (suggested time)	Slide Image	Facilitation Tips	Notes
7 30 sec		<p><b>Read the true-false question. “True or false: streaming allows you to watch sports from anywhere in the world, as long as you have an Internet connection.” Students answer quiz question. Acknowledge the answers.</b></p> <p><b>Correct Answer:</b> True</p>	
8 30 sec		<p><b>Quickly read the slide.</b></p> <p><b>Then Say:</b> “Let’s now head to the first stop where we’ll learn how data gets from the stadium to your devices.”</p>	
9 3 min 30 sec		<p><b>Play Video 3: Stop 1 Part A (3:24)</b></p> <p><b>Say:</b> “Next slide is a trivia question. Let’s see who was paying attention to our vocabulary!”</p>	

# Prime Video Sports: Behind the Streams Tour

Slide # (suggested time)	Slide Image	Facilitation Tips	Notes
10 45 sec		<p><b>Read the question to students. “The __ behind sports streaming includes hardware, software, and teams of people working together.</b></p> <p><b>Answers:</b> infrastructure</p> <p><b>Say:</b> “Let’s keep learning how data gets to your devices while we meet a technical operations manger.”</p>	
11 3 min 30 sec		<p><b>Play Video 4: Stop 1 Part B (3:19)</b></p> <p><b>Say:</b> “Time to answer a few trivia question about the vocabulary you learned in this first stop. Let’s see who will climb t the top of the leader board!”</p>	
12 45 sec		<p><b>Read the question to students. “Engineers work to reduce __, the delay between the action at the stadium and what viewers see on their devices.”</b></p> <p><b>Answers:</b> latency</p> <p><b>Say:</b> “We have one more review question before we get to our next stop!”</p>	

## Prime Video Sports: Behind the Streams Tour

### Slide #

(suggested time)

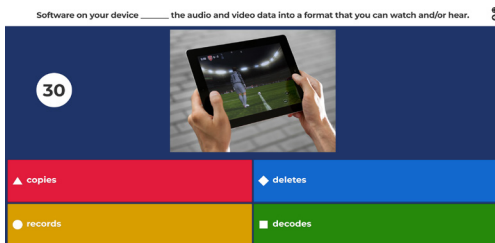
### Slide Image

### Facilitation Tips

### Notes

13

45 sec



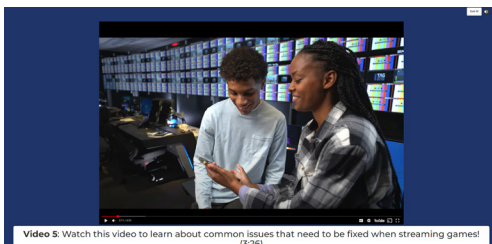
Read the question and on-screen answer choices to students. **“Software on your device \_\_\_ the audio and video data into a format that you can watch and/or hear.”**

**Answer:** decodes

**Say:** “In the next video, we’ll learn what really happens when your device gets the ‘spinning wheel of death’ while streaming, and how engineers work to fix this!”

14

3 min 45 sec

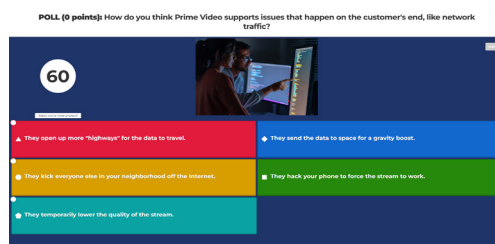


**Play Video 5: Stop 2 Part A (3 min 26 sec)**

**Say:** “This next question is worth 0 points and is a poll. How do YOU think Prime Video supports issues that happen on the customer’s end, like network traffic?”

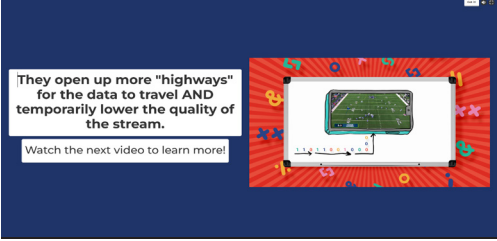
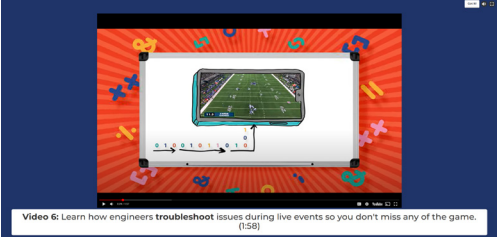
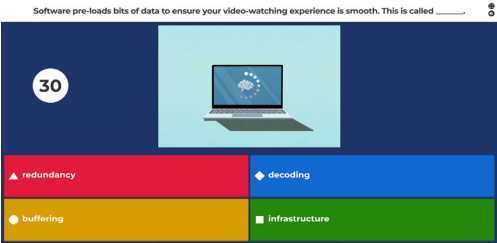
15

2 min

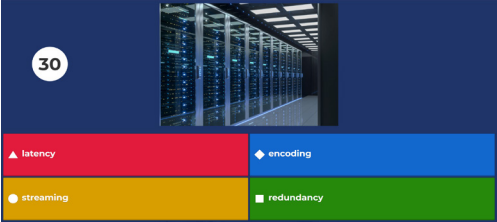

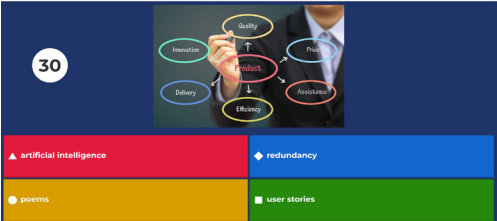


Read the question and on-screen answer choices to students. **“How do you think Prime Video supports issues that happen on the customer’s end, like network traffic?”**

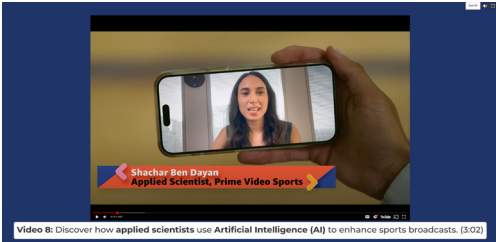
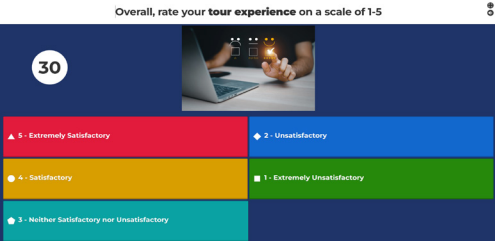
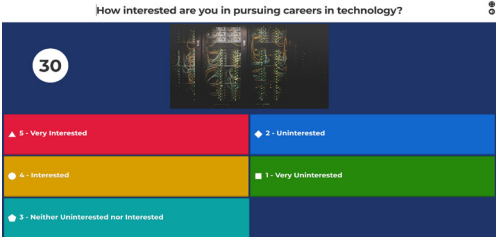
## Prime Video Sports: Behind the Streams Tour

Slide # (suggested time)	Slide Image	Facilitation Tips	Notes
16 30 sec		<p><b>Quickly read the slide.</b></p> <p><b>Then Say:</b> "In the next video, we'll learn HOW engineers are able to support sports fans so they don't miss any parts of the game."</p>	
17 2 min		<p><b>Play Video 6: Stop 2 Part B (2:29)</b></p> <p><b>Say:</b> "Time to answer a few vocabulary quiz questions about fixing sports streaming issues."</p>	
18 45 sec		<p><b>Read the question and on-screen answer choices to students. "Software pre-loads bits of data to ensure your video-watching experience is smooth. This is called ____."</b></p> <p><b>Answer:</b> buffering</p> <p><b>Say:</b> "We have another review question before our next stop."</p>	


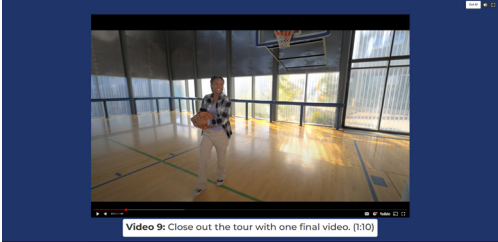
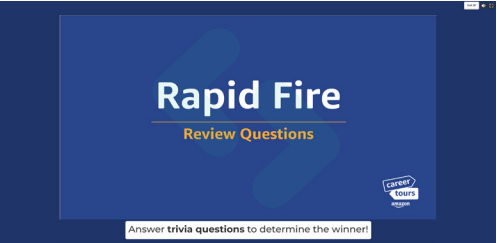
## Prime Video Sports: Behind the Streams Tour

Slide # (suggested time)	Slide Image	Facilitation Tips	Notes
19 45 sec		<p><b>Read the quiz question and answer choices to students: “Thanks to __, there is always backup equipment so the game stream can continue, even if one component fails.”</b></p> <p><b>Correct Answer:</b> redundancy</p> <p><b>Say:</b> “Next, we’ll learn how people work together with AI to build new features for watching sports.”</p> <p><b>Optional:</b> “What do you already know about Artificial Intelligence?”</p>	
20 2 min 30 sec		<p><b>Play Video 7: Stop 3 Part A (2:22)</b></p> <p><b>Say:</b> “Let’s answer a quick review question to see what you’ve learned in this stop so far”</p>	
21 45 sec		<p><b>Read the quiz question and answer choices to students: “Product managers write ____ from the perspective of a customer to identify what features to build in the future.”</b></p> <p><b>Correct Answer:</b> user stories</p> <p><b>Say:</b> “Next, we’ll meet an applied scientist to learn an example of how AI is used in sports streaming.”</p>	

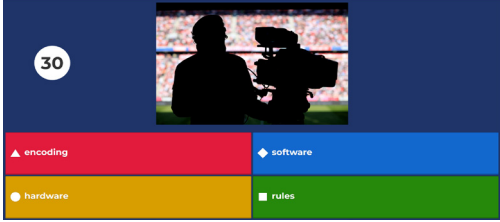
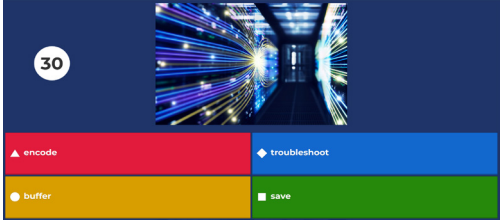
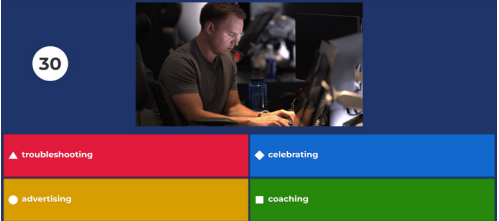
## Prime Video Sports: Behind the Streams Tour

Slide # (suggested time)	Slide Image	Facilitation Tips	Notes
22 3 min 15 sec		<p><b>Play Video 8: Stop 3 Part B (3:02)</b></p> <p><b>Say:</b> “The next few slides are going to be polls. They are worth 0 points, but they’re a chance for you to reflect on the tour and how you’re thinking about careers in technology. The first poll asks what you thought of the tour on a scale of 1 - 5, with the highest score meaning you liked it a lot.”</p>	
23 30 sec		<p><b>Read the poll question and answer choices to students.</b></p> <p><b>Say:</b> “The next question wonders about your interest in having a career in technology, like the ones you saw today.”</p>	
24 30 sec		<p><b>Read the poll and on-screen answer choices to students.</b></p> <p><b>Say:</b> “Finally, how did this tour affect your interest in pursuing careers in tech? After watching this tour, did it increase, decrease, or have no change on your desire to have a career in technology and sports?”</p>	

## Prime Video Sports: Behind the Streams Tour

Slide # (suggested time)	Slide Image	Facilitation Tips	Notes
25 30 sec	 <p>How did this tour affect your interest in pursuing careers in technology</p> <p>29</p> <p>▲ Increased    ◆ Decreased</p> <p>● No Change</p>	<p><b>Read the poll and on-screen answer choices to students.</b></p> <p><b>Say:</b> "We have 1 more video to close out the tour, then some rapid fire trivia questions to see who won!"</p>	
26 1 min 10 sec	 <p>Video 9: Close out the tour with one final video. (1:10)</p>	<p><b><u>Play Video 9: Stop 4 (1:10)</u></b></p>	
27 15 sec	 <p><b>Rapid Fire</b></p> <p>Review Questions</p> <p>Answer trivia questions to determine the winner!</p>	<p><b>Say:</b> "The last few questions are review vocabulary questions. Then we'll see who's the winner!"</p>	

## Prime Video Sports: Behind the Streams Tour

Slide # (suggested time)	Slide Image	Facilitation Tips	Notes
28 25 sec	<p>Examples of ____ used in producing sports streams include high-definition cameras and microphones.</p> 	<p>Read the question and on-screen answer choices to students. "Examples of ____ used in producing sports streams include high-definition cameras and microphones"</p> <p><b>Answer:</b> hardware</p>	
29 25 sec	<p>Hardware and software ____ video and audio data so it can be sent to devices over the Internet.</p> 	<p>Read the question and on-screen answer choices to students. "Hardware and software __ video and audio data so it can be sent to devices over the Internet."</p> <p><b>Answer:</b> encode</p>	
30 25 sec	<p>When viewers report streaming issues, the tech team begins ____ to identify and fix the problem quickly.</p> 	<p>Read the question and on-screen answer choices to students. "When viewers report streaming issues, the tech team begins ____ to identify and fix the problem quickly."</p> <p><b>Answer:</b> troubleshooting</p>	

## Prime Video Sports: Behind the Streams Tour

### Slide #

(suggested time)

### Slide Image

### Facilitation Tips

### Notes

31

25 sec

When there is a lot of network traffic, engineers can open up more \_\_\_\_\_ so data can get to fans without delays.

30

3 Answers

- software
- Content Delivery Networks (CDNs)
- tickets
- latency

**Read the question and on-screen answer choices to students. "When there is a lot of network traffic, engineers can open up more \_\_ so data can get to fans without delays."**

**Answer:** Content Delivery Networks (CDNs)

32

25 sec

A type of Artificial Intelligence called \_\_\_\_\_ tags exciting moments from games to create a custom recap for fans.

30

- Buffering
- Troubleshooting
- Computer vision
- Athletes

**Read the question and on-screen answer choices to students. "A type of Artificial Intelligence called \_\_ tags exciting moments from the game to create a custom recap for fans."**

**Answer:** computer vision

**Review leaderboard with students.**

33

0 sec

**Thank you and keep exploring!**

Visit: [www.amazonfutureengineer.com/careertours](http://www.amazonfutureengineer.com/careertours) to take another tour!

**Say:** "I hope you learned a lot about how sports streaming works and maybe identified a new career you didn't know about!"