



# Teacher Lesson Plans

Amazon Future Engineer recommends carving out about 1.5 lessons for the Class Chat. Outlines of each lesson are below with more detailed lesson plans below. Utilize the [slide deck](#) and [print worksheet/digital worksheet](#).

- ❑ **Lesson 1: Class Chat Preparation** (20 minutes) – In this activity, students will gain context about Amazon Guest Speaker and craft group questions to ask the volunteer. This activity can be combined with another lesson and is integral to setting up a meaningful Class Chat.
- ❑ **Lesson 2: Class Chat + Student Reflection** (50 minutes) – Students meet their Amazon Volunteer on video, receive a 15-minute presentation about the Amazon Volunteer’s education and career experience, and participate in class Q&A with teacher moderation. The lesson concludes with student reflection and discussion; in the last five minutes, students complete a feedback survey to AFE.

## Lesson 1: Class Chat Preparation (Day Before) – 20 minutes

**Objective:** Students will be able to explain expectations for the Class Chat and craft 3-5 questions to ask the Amazon Volunteer about their computer science/tech experience.

Lesson Flow	Sample Teacher Script:	Visuals
<b>Introduction and Expectations</b> 5 minutes	“We are now going to pause to take time to prepare for what we will be doing in class tomorrow – participating in an Amazon Future Engineer Class Chat!”	<b>Slide 1</b>
	“As some of you may know, computer science is the fastest growing profession within the Science, Technology, Engineering or Math (STEM) field, but only 8% of STEM graduates earn a computer science degree. Moreover, did you know that the average computer science major makes 40% more in lifetime earnings than the average college graduate and nearly three times more than the average high school alumna?”	<b>Slide 2-3</b>
	“But many of you may be wondering, ‘What’s it like to actually study computer science in college or work in the tech industry?’	<b>Slide 4</b>
	“Well, tomorrow, you are going to have the chance to ask a Guest Speaker from Amazon to learn just that! Has anyone heard of Amazon? Maybe you’ve ordered something from Amazon or seen the trucks, watched Prime Video, or seen one of these boxes? Yes, Amazon is a huge tech company that is always looking to hire computer programmers! So, tomorrow we are going to get to meet an employee, hear about their experience in tech and at Amazon, and ask them all the questions we’d like!”	<b>Slide 5</b>
	“This experience is brought to us by Amazon Future Engineer which is a part of Amazon dedicated to getting more students to consider pursuing a career tech.”	<b>Slide 6</b>
	“Tomorrow, we will get to chat with ( <i>insert Amazon Volunteer name</i> ). He/she is a ( <i>insert Amazon Volunteer’s Title</i> ) at Amazon. Tomorrow, our Amazon Volunteer will share their experience with us for about 10-15 minutes, and then we will have a chance to ask our own questions about the tech industry, college, advice they have, or what it’s like to work at Amazon.”	<b>Slide 7</b>
	“Our Amazon Volunteer is volunteering their time to talk with us, so I ask that you follow these expectations during the class chat: show professional respect, demonstrate gratitude (they are volunteering!), practice active listening and interview notetaking, and remember we have one mic, so one speaker at a time (don’t talk over others). Should we add any other expectations?” Feel free to add ideas from the class.	<b>Slide 8</b>



<b>KWL Chart</b> 5 minutes	<p>“So, what questions do you have for <i>(insert Amazon Volunteer name)</i>? In a minute, I will put you into groups to craft your top 3-5 questions for him/her. For now, I want you to think about what you already know about tech careers, college, or Amazon, and what you would like to know. Please complete the first 2 columns of your KWL chart. Then, we will break into groups to decide on your questions.”</p> <p>“I’ve added in a few ideas on this slide as an example.” Students should be given at least 3 minutes to complete the K and W columns of their chart.</p> <p>After most have finished, ask students to share out what they know and want to know together as a class or with their partner/group.</p>	<b>Slide 9</b>
<b>Group Questions:</b> 8 minutes	<p>“Now, I am going to split you into groups. Your group has 5 minutes to complete the following to prepare for tomorrow. You can record your group’s work on the bottom half of your sheet.</p> <ol style="list-style-type: none"> <li>1. Write down 3-5 questions you’d like to ask the Amazon Volunteer tomorrow about their experience.</li> <li>2. Put a star by your group’s favorite two questions.</li> <li>3. Nominate a group spokesperson to pose the question tomorrow. If your group’s questions are asked before it is your turn, ask a different one from your list or from another group.”</li> </ol> <p>Give students 5 minutes to work together. Then, bring the group back to share out.</p>	<b>Slide 10</b>
	<p>“I’d now like to hear the top questions from each group. When I call on your group, I’d like the spokesperson to state the question they will ask tomorrow. I’ll go in the same order as tomorrow, too. If your question gets asked before I get to you, ask a new one! Tomorrow you will have to change questions if the Amazon Volunteer answers them in your presentation already, too. So, this is great practice!</p> <p>The teacher should call on each group to share their top question and ensure no repeats. The spokesperson from each group should share out.</p>	<b>Slide 11</b>
<b>Wrap Up</b> 2 minutes	<p>“Please hold onto your KWL Chart and questions for tomorrow as we will use it for our final reflection and to take notes during the talk! See you tomorrow for our Class Chat!”</p>	<b>Slide 12</b>

## Lesson 2: Class Chat (Day Of) – 50 minutes

**Objective:** Students will be able to participate in an AFE Class Chat and Q&A to learn more about what it’s like to study and work in the computer science industry after high school.

Lesson Flow	Sample Teacher Script:	Visuals
<b>Introduction and Expectations</b> 5 minutes	<p>“Welcome back! Please take out your worksheet from yesterday if you haven’t already. It’s time for our Amazon Future Engineer Class Chat! In a minute, I will video connect us to our Amazon Volunteer. He/she will introduce themselves and share a 10-15 minute presentation about who they are, how they got into CS, and their experience working at Amazon. Then, we will move into Q&amp;A”</p>	<b>Slide 13-14</b>
	<p>“As we participate in this Class Chat, please remember that our Amazon Volunteer is volunteering their time to talk with us. Please show utmost respect throughout this Class Chat and adhere to these guidelines. Alright! It’s time to meet our Amazon Volunteer!”</p>	<b>Slide 15</b>
	<p>“During the presentation, please practice good active listening skills by completing the back of your worksheet. Please write down:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> At least 5 facts about our Amazon Volunteer or their experience (good practice for when you may interview folks some day!)</li> <li><input type="checkbox"/> Things he/she says that you find most interesting or you find surprising</li> </ul>	<b>Slide 16</b>

	<ul style="list-style-type: none"> <li>□ Things he/she says that you may have questions about or are confused about (we will try to get clarification on these later).</li> <li>□ Leave the bottom box for our final task. You will pass these sheets in at the end of class for me to review."</li> </ul> <p>"After the presentation, I will open the floor up to you all for questions. I'll call on one group at a time to ask your question. Please be mindful – if he/she already answered your question in their talk, or another group asked it, choose another. You can even ask new questions that you didn't think of yesterday if you'd like."</p> <p>Teacher should begin video conference with the Amazon Volunteer. Ensure that audio/video is working properly and then pass the microphone to your Amazon Volunteer.</p>	<p><b>Slide 17</b></p> <p><b>Switch to Video</b></p>
<b>Amazon Volunteer Presentation</b> 10-15 minutes	Amazon Volunteer presents. Students should take notes on their worksheet. Teacher should circulate classroom and ensure that all students can hear and see the Class Chat efficiently. We recommend muting your classroom during this time to reduce background noise.	<b>Video</b>
<b>Q&amp;A</b> 10-15 minutes	<p>"Thank you so much, <i>(Insert Amazon Volunteer Name)</i>. It was incredible to hear about your journey in computer science. Thank you so much for taking time to share with us. Can we please all give him/her a huge round of applause?" Students and teacher share gratitude in form of applause.</p> <p>"Now, it's time for Q&amp;A. I'll call on one group at a time to ask your question. Please be mindful – if he/she already answered your question in their talk, or another group asked it, choose another. You can even ask new questions that you didn't think of yesterday if you'd like."</p> <p>Teacher should call on the spokesperson of each group to ask questions to the Amazon Volunteer. Students and/or the teacher should feel free to ask follow ups if the question is not fully answered.</p> <p>After time is up, close out with your Amazon Volunteer. "Thank you so much, <i>(Insert Amazon Volunteer Name)</i>, for taking time to share your experience and answer our questions today. Can we please all give him/her one more huge round of applause?"</p> <p>Teacher should close out conference call and move into discussion.</p>	<p><b>Video</b></p> <p><b>Slide 18</b></p> <p><b>Slide 19</b></p>
<b>AFE Scholarship</b>	<i>If your Amazon Volunteer did not mention the AFE Scholarship, use slide 20 to tell your students about the scholarship and encourage them to apply.</i>	<b>Slide 20</b>
<b>Reflection and Discussion</b> 8 minutes	<p>"Thank you for being amazing audience members and active listeners. It's time to hear what you thought! With your group, discuss the facts you wrote down, what you found surprising/interesting, and what questions you still have. I will email any follow questions to our Amazon Volunteer."</p> <p>Students should be allowed to discuss for 5 minutes. Then, the teacher should ask students to share out their notes whole group. Teacher may decide to write down remaining questions to email the Amazon Volunteer for further answers.</p>	<b>Slide 21</b>
<b>Final Takeaway and AFE Survey</b> 7 minutes	<p>"Great work today, everyone! To wrap up our time today, I have a few final asks:</p> <ol style="list-style-type: none"> <li>1. Write down what you think was the most important thing you learned today.</li> <li>2. Shade in the stars to give today's Class Chat a rating (1-5).</li> <li>3. Pass in your papers!"</li> </ol> <p>"Thanks very much and maybe one day I'll get to video chat one of you to phone in and chat with my new group of students and share your experience in the tech industry. ☺ See you tomorrow!"</p>	<p><b>Slide 22</b></p> <p><b>Slide 23</b></p>