**Sample Interview Protocol**

**This is a sample interview protocol for the study on how students learn computational thinking in a collaborative classroom setting.**

*[Take consent form to audio record the session, explain that participants will remain anonymous.]*

**Introduction:** I am interested in understanding how people learn computational concepts. For our time together, I’d like to discuss how you learn, specifically in the CS 2984 - Introduction to Computational Thinking class. If at any time you feel uncomfortable with a question or where our discussion is going, just let me know. We can stop at any time. Do you have any questions before we get started?

1. **Can you tell me a little bit about your academic background?**

* What is your major? Are you a freshman, sophomore, junior, senior?
* What courses are you taking now?
* Why are you taking these computational courses?

1. **I am interested in understanding what students have learned in this class (consider as computational thinking).**

* What have you learned in this class?
* How do you see yourself applying what you have learned in this class in your own discipline?
* Do you see what you have learned in this class useful for you in the long run?

This class claims to teach computational thinking,

* In your own words, how would you describe computational thinking /what is your understanding of computational thinking?

1. **Have you taken any other computer related course?** 
   * How is this course different/similar than other computer related courses you have taken?
2. **Are there things about the class that were helpful?**

* Are there things about the class that you wish were different?

1. **Can you describe to me what a typical group session looked like with your student cohort in the computational thinking class?**

* Have you studied in student cohorts/groups before?
  + If so, how is this group experience similar/different than others you have been in?
* In what ways have the group interactions impacted your learning of CT?

**4: During cohort observation we have used the following checklist to describe cohort interactions in the computational thinking class. *[Give checklist to student and wait for 5 minutes for them to read it.]***

* Would you please rank top 5 of the following that was most beneficial for your learning of CT concepts?
* Would you please describe particular incidents of such interactions?
* Was most of your interactions within class period or did you also interact outside of class?

**5: Based on that topic, is there anything that you would like to add that I did not cover in my questions?**

*[Thank the participant.]*