

Mathematics and Science Items

Mathematics or Science Item			
Student ID _____ Teacher ID _____ Item ID _____			
Questions 1–6 should be answered while the student is taking the item and then confirmed by watching the video when the student has completed the entire assessment.			
1. Did the student read the item independently without the audio?			
2. How many times did the student click on the audio to hear the entire question and options again?			
3. How did the student use the visual when answering the question?			
<i>Eye gaze</i>	<i>Naming/describing visual</i>	<i>Pointing to feature, component, part or whole</i>	<i>Tracing hand along line or between coordinate points</i>
<i>Other:</i>			
4. What did the student do as each answer option was read?			
5. How did the student indicate an answer choice?			
<i>Focused during stimulus and answer option presentation</i>	<i>Tapping correct answer twice: as it first appears and as it is available to select</i>	<i>Naming or describing answer option as it appears</i>	
<i>Other:</i>			
6. How many times did the student have the answer options repeated?			
Once the student answers the question, please ask the student the following questions (7–11) and record the student's responses. (Please note that if the student does not have a verbal communication system and cannot reply orally to these questions, then skip them.)			
7. Why did you choose this answer?			

8. How did you know this was the right answer?

9. What did you use in the question or in the picture to help you answer the question?

10. What did you do first to try and figure out the question? What did you do next?

11. Was anything in the question confusing to you? Why was that confusing?

Questions 12–14 can be completed after the student has completed all the questions. The teacher and the observers/video recorders can view the video to help answer these questions.

12. What other useful (e.g., holding finger on the right answer or repeating the right answer softly) or irrelevant (e.g., repetitive response selection) student behavior(s) were observed while answering the question?

13. What cognitive skills did the student display when answering the question?

What did the student do to make you think he/she was displaying this cognitive skill?

14. What content knowledge did the student display when answering the question?

What did the student do to make you think he/she was displaying this content knowledge?