Codebook for Teacher interview/observation

*From Code 1~5, just code one-time unless it is changing over time.

Code #	Description of the Codes
1	Configuration
1a	Whole class
1b	Small groups
1c	Pairs
1d	Individual
1e	Other:
2	Teacher Position
2a	Teacher walking the room
2b	Teacher stationery
2c	Teacher moves to respond to questions
2d	Students moving around room
2e	Students moving in area of room
2f	Teacher-Student Interaction
2g	Other:
3	Materials & Resources
3a	Teacher instructional materials and resources
3a-1	Teacher lesson plan
3a-2	Agenda
3a-3	Video materials
3a-4	Pre-made activity (code.org)
3a-5	Online organizational tools (Gdrive)
3a-6	Maker resources/Project Materials (Modeling)
3a-7	Whiteboard/Smartboard
3a-8	Texts (reading materials, reference books, manuals)
3a-9	Field trips
3a-10	Outside presentation
3a-11	Other:
3b	Student materials and resources

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3b-1	Student computers
3b-2	Chromebooks
3b-3	No computer
3b-4	Maker resources (e.g., crafts)
3b-5	Worksheets
3b-6	Website
3b-7	Reading materials
3b-8	Other:
4	Teacher Concept Presentation
4a	Initial concept presentation to large group
4b	Reiteration of concepts to group
4c	Individual facilitation
4d	Full group intervention
4e	Multimodal presentation
4f	Call and response
4g	Other:
4h	Teacher role
4h-1	Facilitator (Open instructor)
4h-2	
4h-3	50%
4h-4	
4h-5	Commander (Explicit Instructor)
5	Type of Product
5a	Tangible, physical product (e.g., egg drop construction)
5b	Computer-based product (e.g., Home project)
5c	Worksheet
5d	Dialogue
5e	Other:

6	Teacher strategies: Provides structure & consistency
6a	-Sets expectation (e.g., advanced organizer, states learning/behavioral expectations) (Show on board, explain/reference, reflect on if outcomes met expectations, other)
6b	-Activate prior knowledge (e.g., reviews previous lesson plan)
6c	-Supports planning (e.g., written instructions, highlight key points)
6d	-Task management prompts/reminders (e.g., planning, testing, tracking, reporting, sharing knowledge)
6e	-Other:
7	Teacher strategies: Scaffolding the process
,	reacher strategies. Scanolding the process
7a	-Modeling (e.g., talking through and doing steps)
7b	-Scaffolding (e.g., remove supports over the course of the project)
7c	-Chunking the activity and/or instruction
7d	-Simplifies instructions, choices
7e	, , , , , , , , , , , , , , , , , , , ,
	mini-assessments, self-assessment, check for understanding, oral
	checks, timed tests
7f	-Other:
8	Teacher strategies: Supporting thinking and metacognition
8a	-Prompts and probes (including reflective prompts)
8b	-Supports non-linear thinking/brainstorming
8c	-Positive statements (affirmation)
8d	-Cooperative learning strategies
8e	-Bridging student learning to higher level thinking
8f	-Encourage students to choose different ways of expressing their
	understanding
8g	-Other:

9	Teacher strategies: Classroom Management
9a	-Discreet cues to stay on task; advanced warnings; reminders to focus; lowers noise level (describe)
9b	-Teacher attention remains on students -Teacher and student rapport (Articulate positive words, moving down
9c	to eye level to talk to student, talking to a student before or after class)
9d	Other:
10	Teacher strategies: Accommodations (SWD or at-risk)
10a	-Teacher reduces environmental distractions (allowing students to wear earbuds, allowing students to work alone)
10b	-Teacher allows students working with para-professional or other peer
10c	-Teacher gives extra time
10d	-Teacher provides additional cues/ additional modeling (e.g., visual directions for SWD)
10e	-Teacher provides additional attention to SWD or at-risk
10f	-Teacher provides Assistive Technology
10g	-Teacher provides alternative assessment
10h	-Other:
11	Classroom atmosphere
11a	Most students are on-task
11b	
	At least 50% of the classroom is on-task
11d	Most students are off-task
11e	Students with disabilities or at-risk are on-task
11f	Other:

12	Barriers
12a	Individual student variable
12a-1	Student absence
12a-2	Lack of interest
12a-3	Lack of student foundational skills (e.g., lack of language/ com skills)
12a-4	Learned helplessness
12a-5	Student comes in late
12a-6	Other:
12b	Pedagogical & curriculum variable
12b-1	Lack of teacher foundational skills (lack of knowledge in computer skills or makerspace activities)
12b-2	Lack of differentiated instruction
12b-3	Lack of accommodation
12b-4	Lack of classroom management (can't control off-task behavior)
12b-5	Lack of cultural relevance
12b-6	Lack of using instructional strategies for metacognition
12b-7	Lack of teacher preparation
12b-8	Low expectations for students
12b-9	Other:
12c	Environmental variable
12c-1	Technology-related (log in issue, computer didn't turn on)
	Teacher absence (sub-teacher available)
	Length of class time (too short)
	Location of the classroom
12c-5	Lack of administrative support
12c-6	Other:
12d	External variable
12d-1	External disruption
12d-2	Other:
13 13a	Successes General student achievement from Interview (e.g., individual students completed the construction/worksheet Or students talking to teacher for accomplishment)

13b	Students with Disabilities success in Making activity or STEM
14	Metacognition (INTERVIEW)
14a	Intentionality
14a-1	Intentionality specific to making activities
14b	Persistence
14c	Teacher Struggles to Facilitate Metacognition