Help for the usage of the Symbols

The symbols simplify the notes and are the pedagogical notes for the classification of the observed/ seen action. Furthermore, they are the base for the notes concerning questions for/ in the talk. The usage of the symbols is easy if the observer has experiences with the way they should be used, and if he/she knows pedagogical situations and constellations that are important for the continuation of the lesson and the relations between teachers and students.

The document at hand will help you in using the symbols.

Symbols	Description of the Action	Range of typical perceptions of observers	Meaning
1 (4)	The teacher emphasizes the result of one	⇒ phenomenal comprehendable	Aim is:
	lesson sequence	⇒ The teacher-student talk is finished/over.	to build a common base of thinking for all students or to point
Formulation of Assumption clarification/illustration/visualization	The teacher changes the volume of the	⇒ One step of thinking of the teacher's explanation is finished.	out steps of thinking.
	voice or the pace of speech.	The teacher formulates exactly the results/findings or repeats	
clarification/illustration/visualization by teacher		the results for all students comprehensibly.	Basis for: aim oriented thinking of students
		Part of classical methods	Precondition for the collective start of thinking process
	The teacher demands the attention of the	⇒ phenomenal comprehendable	Aim is:
	students.	⇒ The students` work is finished.	all students are willing to take in new information,
Teacher's Response to/	The teacher changes the volume of the	\Rightarrow The teacher wants to give a call for action.	independent of their current doing and thinking
- B Request for Student's Behavior	voice or the pace of speech.	The teacher centres the attention of the students and expects	basis for:
Benavior	Possibilities/variations: no speaking,	the interruption of the students 'activity.	aim oriented thinking and doing of the students and the
	writing, whispering, changing position in		comprehension of the explanation
	the room. some more	Expression of teacher's personality	Precondition for giving instructions how to act
	The teacher initiates student's action.	⇒ phenomenal comprehendable	Aim is: exact orientation of all students on the expected
	He defines the wanted actions, shows	\Rightarrow The teacher formulates the task for the students.	activity, no student echo
	possibilities and if necessary restricts	⇒ He gives an orientation on "how" a task is solved.	-fast start of next planned lesson period
Initiation of Activities	actions or possibilities	The teacher formulates the aims in regard to content and the	Basis for:
A! Motivation		kind of interactions.	aim oriented thinking and doing of the students and the
			comprehension of the explanation
		Expression of teacher's teaching competence	Precondition for students activity and concentration
	The teacher defines the time frame for	⇒ phenomenal comprehendable	Aim is:
	solving the task.	$\ \Rightarrow\ $ The teacher makes clear that the activities of the students	Aim oriented students work
	The teacher gives the students an	and the teacher are a cognitive process.	Useful choice of aids and work equipment through the students
	overview of the temporal lesson structure.	.The teacher gives an orientation – in what time a task has	practice in dealing with time pressure
Time Management	The teacher defines a temporal code/rule.	to be solved	Basis for:
		The teacher balances between phases of freedom for the	Efficient solution of tasks
		acquirement of competences and temporal alternatives.	Handlungsentscheidungen
		Figure 1 and	Burney division from the burney of the burne
		Expression of educational competence of the teacher	Precondition for giving instructions how to act

2 (4)	The teacher uses a scientifically proven	⇒ Requires educational/pedagogical knowledge	Aim is:
2 (4)	teaching method.	⇒ The teacher works with propositions.	Practice of logarithms of thinking and doing
	The method/ structure of the lesson is	⇒ The explanation is logical with different levels of cognition.	Traceability of approach (step sequence)
	known by the observer.	⇒ Is used mainly in the articulation phase –"immersion"/	The second of th
	Very often the method consists of 3 partial	didactical function is deployed.	Basis for:
	steps. With the symbol one can only note	⇒ The activity of the students shows the suitability of the	The solution of analogical tasks,
Methodological Approach well/badly thought out/ carried out consciously 1, 2, 3 → methodological	down one step.	method.	making decisions , combining and creative thinking
carried out consciously 1, 2, 3 → methodological	The symbol symbolizes every teaching	⇒ The teacher conducts, the students think and do.	making decisions / combining and decade animalig
steps	method	logical.	
	metrou.	logical.	
		Expression of the right assessment of the students study	
		competence through the teacher.	Precondition for competence of how to act
Symbolik	Description of the Action	Range of typical perceptions of observers	Meaning
Symbolic	The teacher recognizes the different work	phenomenal comprehendable	Aim is:
	paces, the current knowledge of a student	⇒ The teacher gives differentiated, different tasks.	All the students reach a given level of the cognitive
	or handicaps/problems during the process	⇒ The teacher extends the task.	process/understanding/knowledge.
	of thinking of the students.	⇒ The teacher allows aids.	All students are occupied within the planned sequence of time.
Teaching – related Differentiation of	To make sure that every student has an	⇒ The teacher announces semi results.	The individual advancement of all students.
- D L - subjects by: Time, Level of contents	increase of knowledge, the teacher assists	⇒ The teacher helps individually through facts or steps of	Basis for:
and Amount of help	each student in an appropriate way.	analysis.	Securing the success of the learning process.
			Motivation of the student within the ongoing learning process.
			Constitution of aims concerning the learning process
		Expression of teacher's teaching competence	Precondition for aims
	The students solve a task while discussing	⇒ Observation of a process	Aim is:
	it.	⇒ The teacher formulates the problem. The students express	Collection of a wide number of opinions, equality of expressing
Negation of Negation (Process of Developing the best Idea through Rejection and Collection)	The teacher mediates/ supervises/ controls	their experiences or knowledge.	opinions
student- focused	the discussion. Through the limitation of	⇒ Students and teacher exclude answers and add new aspects.	The teacher conducts, the students argue
teacher-student-interaction, positive emphasis, negative dismission increase of knowledge during the process of independent studying by students	the basic conditions and new impulses a	⇒ Teacher – student –talk for the acquirement combinatory	Students think actively
independent studying by students	higher level of the cognitive process. The	knowledge	Basis for:
	"correct" solution is kept , the "incorrect"		Acceptances/recognition of experiences, courage to express
	is "thrown away".		ones opinion, independent thinking, comprehension of a
	-		process
		Part of classical teaching methods	Precondition for group work
	Silence in the classroom is the best	⇒ phenomenal comprehendable	Aim is: To provide optimum conditions for solving a task
	precondition for independent	⇒ The students understand the task independently.	To stop permanent disquietness/ disturbance in very active
Silence in the Classroom Free Reading of a Task	students´work.	⇒ The students use their aids.	classes
	Silence shouldn't be the result of pressure	⇒ The students know the steps of the actions.	Basis for: Independent students work
	from the teacher but much more the result	,	Reflection on oneself
	of an exactly given task.	Expression of teachers teaching competence	Precondition for correct doing/acting and correct reading
		,,	g, adding

2 (4)	The teacher asks for alternative	→ Observation of a process	Aim ice
3 (4)		⇒ Observation of a process	Aim is:
	experiences and knowledge of the	⇒ The teacher is aware of the fact that the students already	To gather experiences and knowledge, inclusion of all students
	students.	have knowledge and uses it as the base for thinking processes.	Active thinking of all students
Collection of Experiences/	The teacher collects a multitude of correct	⇒ Enquires about facts, little discussion	Division of the work phases "collecting" and "discussing".
Ideas/Thoughts on blackboard	answers.	\Rightarrow The teacher includes a wide big number of people.	Basis for:
use of blackboard	Through writing them down on the	\Rightarrow He dismisses double argumentation and wrong contributions.	Courage to express opinion, versatile thinking, understanding
	blackboard all students' answers are kept	⇒ The more answers were given, the more difficult t is for the	a cognitive process
	and appreciated.	students to find further/ more correct answers.	
		Start of a new lesson period, formulation of assumption	
		within classical methods of thinking	Precondition for optimal teacher-student -relationship
Symbolik	Description of the Action	Range of typical perceptions of observers	Meaning
	The teacher actively controls the	Observation of a process	Aim is:
	discussions of the students. He isolates	⇒ The teacher stays inactive during the discussion of the	efficient thinking of students
	the core topic from opinions of the	students.	Erziehung zu sachlicher Meinungsäußerung
	students that add new aspects and don't	⇒ The teacher interrupts the discussion briefly to clarify the	Clear separation of the levels of thinking: "cause" and "
	help to solve the problem. The teacher	wanted solution and to point out the important students answers	outcome" or
Generalization	names assumptions for the following steps	as a base for further discussions.	"characteristics" and "behaviour"
intervention of teacher	of thinking.	⇒ During an independent students task the teacher recognizes	Statutes and Senation
	The teacher summarizes the results of the	similar mistakes and excludes further activities for all students.	
	discussion sequences.	Similar miscakes and excludes further detivities for all stadents.	Basis for:
	discussion sequences.		
			Logically consistent thinking, comprehension of the basics
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		Part of classical teaching method and a variation in the	Precondition for fair discussions and structural
		"negation of negation" process	thinking
	The 4 Steps Method is mainly used by	⇒ Observation of a process	Aim is:
	students in all lessons with practical work	⇒ The 4 level method is used quite often in lessons with	Students learn practical skills
Phase 1: Preparation aims (intentions)/ partial aims	phases. The 4 Phases are following each	practical content . The levels are easy to follow/ to recognize.	Students can support their activities with theoretical
Phase2: Demonstration	other logically and will be practiced in	\Rightarrow The teacher divides the lesson in clearly separated intervals.	knowledge.
Focusing	several time intervals.	\Rightarrow The teaching of the theoretical knowledge is often done in	Controlling the success of the learning process is well
Phase 3: Imitation assistance/supervision,	In the 1 st phase the teacher teaches	sequences where the teacher explains factual/ subject/process	practicable by the teacher.
interactions	theoretical knowledge. Than the students	related knowledge. The teacher actively conducts the process of	
Phase 4: Exercise assistance/supervison,	learn practical skills through the	learning and teaching.	Basis for:
interactions	comprehension of the presented activities.	⇒ The students make a work piece.	Independent students activity, success and motivation
		Contains procedures of classical teaching methods	Precondition for willingness to perform.
		contains procedures of classical teaching methods	r reconstition for winnightess to perform.

4 (4)	The teacher interrupts/breaks off a	⇒ phenomenal comprehendable	Aim is:
	planned phase of the teaching process.	\Rightarrow At first, the teacher thinks the students did not understand	To activate students again
	He formulates new requirements/	him.	To find the level of students standard
	demands and changes the aim(s) of the	\Rightarrow Te teacher provides help or formulates more questions. The	To adjust the requirements to the special circumstances.
Re-orientation	lesson.	teacher tells the solution.	Basis for:
- agreedation of tools	The students are not able to fulfil the	⇒ didactical reduction	Securing the learning success
cancelation of task	demanded activities.	⇒ Students cannot think in the afternoon.	optimum teacher – student - relationship
	The teacher formulates the necessity of		
	the break off.	Expression of teacher's pedagogical competence	Precondition for attention
Symbolik	Description of the Action	Range of typical perceptions of observers	
	The students cannot all do the same tasks	⇔ Observation of a process	Aim is:
	in the lesson.	\Rightarrow There is a differentiation in most of the lessons.	All students are actively involved
	There are not enough of the same	\Rightarrow $\;$ The teacher specifies the activities of the students and	Utilisation of all resources
- O- Diffentiation of	machines in one room.	provides/ gives a certain structure for the complete lesson.	Students finish the work on one building unit at the same
-D Co- Students activities by : Organizing (themselves) within the classroom, Contents	The students work on the same project	\Rightarrow The teacher gives time intervals for the activities.	time.
the classroom, Co ntents	but have different tasks.	The teacher defines sequences of quality control on the work	Controlling the success of the learning process is well
	The students have different work paces.	pieces.	practicable by the teacher.
	During the work period they work on		Basis for: Independent students work
	different contents.		Activity, self - control of students
		Part of practical method	Precondition for an efficient usage of time
	The teacher does an essential safety at	⇒ Observation of activity	Aim is:
	work instruction.	During the process of giving instructions the teacher tells all	Prevention of accidents
	He tells a student who misbehaved, how	students the active means and measures to prevent accidents.	Education to careful acting and anticipating thinking
Work Safety	to behave right.	⇒ In the "show phase" the teacher repeats in detail the means	Homogenous acting of students
hints, control,	He is a role model for correct behaviour.	of safety at work.	Basis for:
evaluation	The students start their work	⇒ The teacher reminds students individually to fulfil the means	Awareness of dangers, preventive protection of students,
	independently considering the active	of work safety.	consciousness, self-control of students
	measures of work protection	Part of every phase of practical work	Precondition for preservation of health
	The teacher plans all activities fort the	⇒ phenomenal comprehendable	Aim is:
	production of a work piece or unit.	⇒ The teacher starts the lesson and names the acquired status	Clarification of task identity
Project - Idea Quality of Choices	He evaluates the current status of the	and the planned activities.	Goal - orientation and motivation
	results.	⇒ The students and the teacher work together on the wanted	The students reach a certain aim and work continuously for a
	He puts the planned activities in order with	activities.	long time.
- actuality	the steps of the project.	⇒ The students and the teacher work on a technology.	Basis for:
	The project idea is the main/guiding idea	⇒ The teacher refers to the aim.	Demonstration of real student achievement, consciousness,
			motivation comparability salf control of students
	of the education.		motivation, comparability, self-control of students
	of the education.	Expression of teacher's pedagogical competence	Precondition for experiencing realtime results