Topic	Traditional approach	Alternate approaches	
	Teacher-centred instruction:	Student-centred instruction:	
Person	<ul> <li><u>Educational essentialism</u></li> <li><u>Educational perennialism</u></li> </ul>	• Educational progressivism	
Classroom	Students matched by age, and possibly also by ability. All students in a classroom are taught the same material.	Students dynamically grouped by interest or ability for each project or subject, with the possibility of different groups each hour of the day. Multi-age classrooms or open classrooms.	
	Traditional education emphasizes:	Progressive education emphasizes:	
Teaching methods	<ul> <li>Direct instruction and lectures</li> <li>Seatwork</li> <li>Students learn through listening and observation</li> </ul>	<ul><li>Hands-on activities</li><li>Student-led discovery</li><li>Group activities</li></ul>	
Materials	Instruction based on textbooks, lectures, and individual written assignments	Project-based instruction using any available resource including Internet, library and outside experts	
<b>G</b> 1 <b>·</b> · ·	Individual, independent subjects.	Integrated, interdisciplinary subjects or theme-based units, such as reading a story	
Subjects	Little connection between topics	about cooking a meal and calculating the cost of the food.	
	Little or no attention to social development.		
Social aspects	Focus on independent learning. Socializing largely discouraged except for extracurricular activities and teamwork-based projects.	development, including teamwork, interpersonal relationships, and self- awareness.	
Multiple tracks	<ul> <li>A single, unified curriculum for all students, regardless of ability or interest.</li> <li>Diverse class offerings without tracking, so that students receive a custom- tailored education.</li> <li>With School to work, academically weak students must take some advanced classes, while the college bound may have to spend half-days job shadowing at local businesses.</li> </ul>	Students choose (or are steered towards) different kinds of classes according to their perceived abilities or career plans. Decisions made early in education may preclude changes later, as a student on a vo-tech track may not have completed necessary prerequisite classes to switch to a university-preparation program.	

Student and Students often address teachers

In alternative schools, students may be

teacher	formally by their last names. The	a
relationship	teacher is considered a respected role	n
-	model in the community. Students	to
	should obey the teacher. Proper	
	behavior for the university or	
	professional work community is	
	emphasized.	

allowed to call teachers by their first names. Students and teachers may work together as collaborators.

## Marking

Topic	Traditional approach	Alternate approaches
Communicating with parents	A few numbers, letters, or words are used to summarize overall achievement in each class. Marks may be assigned according to objective individual performance (usually the number of correct answers) or compared to other students (best students get the best grades, worst students get poor grades). A passing grade may or may not signify mastery: a failing student may know the material but not complete homework assignments, and a passing student may turn in all homework but still not understand the material.	<ul> <li>Many possible forms of communicating achievements:</li> <li>Teachers may be required to write personalized narrative evaluations about student achievement and abilities.</li> <li>Under standards-based education, a government agency may require all students to pass a test; students who fail to perform adequately on the test may not be promoted.</li> </ul>
Expectations	Students will graduate with different grades. Some students will fail due to poor performance based on a lack of understanding or incomplete assignments.	All students need to achieve a basic level of education, even if this means spending extra years in school.
Grade inflation/deflation	Achievement based on performance compared to a reasonably stable, probably informal standard which is highly similar to what previous students experienced.	The value of any given mark is often hard to standardize in alternative grading schemes. Comparison of students in different classes may be difficult or impossible.

## **Subject Areas**

Topic	Traditional approach		Alternate approaches
	Traditional mathematics:	•	Curriculum de-emphasizes procedural knowledge drills in
Mathematics	• Emphasis is on memorization of basic facts such as the multiplication table and		favor of technology (calculators, computers) and an emphasis on conceptual

mastering step-by-step arithmetic algorithms by studying examples and much practice.

- One correct answer is sought, using one "standard" method.
- Mathematics after elementary grades is tracked with different students covering different levels of material.
- Mathematics is taught as its own discipline without emphasis on social, political or global issues. There may be some emphasis on practical applications in science and technology.

understanding.

- Lessons may include more exploratory material supportive of conceptual understanding, rather than direct presentation of facts and methods.
- Emphasis may be on practical applications and greater issues such as the environment, gender and racial diversity, and social justice.
- Mathematics lessons may include writing, drawing, games, and instruction with manipulatives rather than filling out worksheets.
- Lessons may include exploration of concepts allowing students to invent their own procedures before teaching standard algorithms.
- Grading may be based on demonstration of conceptual understanding rather than entirely on whether the final answer is correct.
  - In some countries (e.g. the United States), there may be expectations of high achievement and mastering algebra for all students rather than tracking some students into business math and others into mathematics for math and science careers.

Science	Pact-based science. Science class is an	with inquiry-based Science a student
	knowledge and specific vocabulary	to demonstrate that the earth orbits the
	from the teacher (or textbook) to the	sun. The emphasis changes from
	students. Students focus on memorizing	memorizing information that was
	what they are told. "Experiments"	learned through a scientific method to
	follow cookbook-style procedures to	actually using the scientific method of
	produce the expected results.	discovery.
	Phonics: The focus is on explicit	With whole language the child is
	training in sound to letter	exposed to rich, relevant language that
Language	correspondence rules and the	can heighten motivation to read.
learning	mechanics of decoding individual	Learning to read is assumed to be as
	words. Students initially focus on	natural as learning to speak, so students
	phonics subskills and reading	are not formally taught sound to letter

East based solence: Solence along is an With Inguing based Solence a student

simplified decodable texts. When they have mastered a sufficient number of rules, they are allowed to read freely and extensively. (In many languages, such as French, Spanish and Greek, phonics is taught in the context of reading simple open syllables.) correspondences, but assumed to infer them on their own. (Note that this issue is limited to languages such as English and French with complex phonetics and spelling rules. Instruction in countries with languages such as Spanish and Greek, which have relatively simple phonetic spelling, still depends mainly on phonics.)

## **Criticism of the concept of teaching in traditional education**

Traditional education focuses on teaching, not learning. It incorrectly assumes that for every ounce of teaching there is an ounce of learning by those who are taught. However, most of what we learn before, during, and after attending schools is learned without it being taught to us. A child learns such fundamental things as how to walk, talk, eat, dress, and so on without being taught these things. Adults learn most of what they use at work or at leisure while at work or leisure. Critics argue that most of what is taught in classroom settings is forgotten, and much of what is remembered is irrelevant.