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## **Pedagogical strategies for teaching sign language in the context of vocational education: challenges and perspectives in the technical training of deaf individuals.**

*Pedagogical strategies for teaching Libras in the context of vocational education: challenges and perspectives in the technical training of deaf subjects*

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### **Summary**

The effective inclusion of deaf people in the competitive job market intrinsically depends on the quality, technical precision, and accessibility of the vocational education offered. This scientific article proposes an in-depth technical analysis of Brazilian Sign Language (Libras) teaching methodologies and pedagogical mediation strategies in industrial technical training environments, exemplified by vocational and technology education institutions. The methodology is based on a critical literature review and the systematization of teaching practices, correlating Brazilian inclusion legislation (Law 13.146/2015) with theories of adapted andragogy and visual pedagogy. The study is structured around seven dense thematic axes, exploring everything from the curricular adaptation of complex technical terminologies to the strategic role of the educational interpreter in practical learning workshops. It discusses in detail how the creation of technical glossaries in Libras and the use of assistive technologies act as vectors for knowledge retention and job security. The results indicate that effective vocational training requires a restructuring of teaching plans to encompass the visual aspects of deaf culture, going beyond mere literal translation.

It can be concluded that the specialist educator is the fundamental catalyst for the professional autonomy of the deaf person.

**Keywords:** Vocational Education. Inclusion in the Workplace. Technical Sign Language. Visual Pedagogy. Andragogy.

### **Abstract**

The effective inclusion of disabled people in the competitive labor market intrinsically depends on the quality, technical precision, and accessibility of the vocational education offered. This scientific article proposes an in-depth technical analysis of Libras teaching methodologies and pedagogical mediation strategies in industrial technical training environments, exemplified by trade and technology education institutions. The methodology relies on a critical bibliographic review and the systematization of teaching practices, correlating Brazilian inclusion legislation (Law 13.146/2015) with adapted andragogy theories and visual pedagogy. The study is structured into seven dense thematic axes, exploring everything from the curricular adaptation of complex technical terminologies to the strategic role of the educational interpreter in the practical learning workshop. It discusses in detail how the creation of technical glossaries in Libras and the use of assistive technologies act as vectors for knowledge retention and occupational safety. The results indicate that effective professional training requires a restructuring of teaching plans to contemplate the visibility of deaf culture, transcending mere literal translation. It is concluded that the specialist educator is the fundamental catalyst for the deaf person's professional autonomy.

**Keywords:** Vocational Education. Inclusion at Work. Technical Libras. Visual Pedagogy. Andragogy.

### **1. Introduction**

Vocational and Technological Education (VTE) represents, in the socioeconomic scenario in contemporary times, employability is one of the most effective and direct paths to social advancement, sustainable practices and the economic autonomy of citizens. However, for the deaf community, access to this training has historically been marked by profound linguistic and methodological barriers.



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which hinder not only entry, but also retention and success in qualification courses.

The mere presence of a sign language interpreter in the classroom, although a legal achievement.

The fundamental right guaranteed by Law 10.436/2002 and Decree 5.626/2005 does not, in itself, guarantee the full understanding of complex technical concepts — such as those found in mechanics, electricity,

Automation, logistics, or civil construction—are fields that demand a high degree of abstraction and terminological precision.

and understanding of physical-chemical processes that are often invisible to the naked eye. The literature

specialized in inclusive education, as **Mantoan (2015) points out**, indicates that the traditional model

The teaching method, focused on the teacher's oratory and auditory linearity, is insufficient to meet the needs of

Specific information processing characteristics of deaf students.

The central problem addressed in this scientific study is the pedagogical and communicational gap.

existing difference between standard technical education, traditionally focused on instructor orality and reading.

dense technical manuals in Portuguese, and the cognitive and linguistic needs

Specific to young learners and deaf adults. The lack of standardized signs for terms

Specific technical expertise in various areas of industry creates severe communication noise and "gaps."

"Lexicons" that can compromise not only theoretical learning, but also physical safety in

Handling equipment and performing practical tasks on the factory floor. The hypothesis defended

The development of specific pedagogical strategies—such as the creation—is crucial in this work.

collaborative visual glossaries, intensive use of assistive technologies, and continuing education.

Technical instructors for bilingualism are essential to ensure equity in qualifications.

professional. The following analysis details these strategies, based on specialized literature.

in deaf education, applied linguistics, and job training.

## **2. Visual pedagogy in technical education: theoretical foundations and practical application.**

Visual pedagogy is the essential methodological foundation of education for the deaf.

especially in technical contexts where precision of movement, form, and sequence is crucial.

Operational skills are crucial for task execution. **Campello (2008)**, in his seminal thesis on the

Visual pedagogy in the education of the deaf defines this concept as the use of strategies that...

They prioritize visual experience in the construction of knowledge, respecting the ontology of the "people."

"Deaf" as a visual people. Unlike the hearing student, who has the ability to process

Auditory instructions given simultaneously while manipulating a tool or observing something.

This phenomenon (auditory-visual divided attention) means that the deaf student needs to divide their visual attention between the

The object of study is the instruction in Libras (Brazilian Sign Language) given by the teacher or interpreter. This need for

Alternating visual focus creates a cognitive bottleneck if the teaching methodology is not adapted.

resulting in the loss of critical information during practical demonstrations of industrial processes.

The technical instructor should therefore adopt sequential, rather than simultaneous, teaching strategies.



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Pausing the practical demonstration to provide the theoretical explanation avoids cognitive overload.

visual aids for deaf students. The use of visual resources, exploded diagrams, mind maps,

Animated infographics and captioned videos are not just a teaching tool to "decorate" the lesson.

but a structural need for understanding invisible processes (such as the flow of current)

electrical, hydraulic pressure in valves, or internal chemical reactions). The classroom and the workshop

They should be transformed into immersive visual literacy environments, where labels and signs of

For safety, flowcharts and work instructions should be available and visually accessible.

allowing the deaf student to build technical knowledge through visual means, compensating

Overcoming the auditory barrier with the richness of visual and spatial perception.

Furthermore, visual pedagogy in vocational education requires the incorporation of artifacts.

Cultural aspects of deafness in the teaching-learning process. This means using Libras (Brazilian Sign Language) itself as...

language of instruction and thought, exploring its classifying resources to describe forms,

sizes and movements of mechanical parts with a precision that spoken language often cannot.

reaches. **Strobel (2008)** argues that visibility is a cultural marker of the deaf community;

Therefore, when teaching, for example, how an internal combustion engine works, the use of

Manual classifiers for demonstrating piston movement are pedagogically more effective.

For a deaf student, visibility is more important than a long textual description in Portuguese.

Support, it is the very matrix of thought of the deaf subject.

The implementation of this pedagogy requires the training of teachers in technical areas, who

They are usually experts in their fields (engineers, technicians), but laypeople in education.

Deaf people. Awareness and training workshops in visual strategies are essential so that

These teachers learn to "think visually" and structure their lessons in a way that maximizes...

visual channel. This includes everything from the spatial organization of the classroom (U-shaped layout to ensure

Visual pedagogy encompasses everything from eye contact to the choice of colors and contrasts in slide presentations.

It benefits not only the deaf, but all students, making teaching more concrete and less...

abstract.

In the context of practical classes in laboratories and workshops, visual pedagogy manifests itself in

Environmental signage. Visual identification of tools, hazard zones, and process steps.

Through color codes and universal icons, it facilitates the autonomy of the deaf student. Dependence

Excessive talking by the teacher or translation by the interpreter during the execution of a practical task.

It can be dangerous; visual instruction, on the other hand, remains available in the environment, serving

as a constant guide. The creation of visual manuals or tutorial videos in Libras (QR Codes on

(Machines) is a technological application of this pedagogy that enhances autonomy and safety.

Learning assessment should also be permeated by visual pedagogy. Tests and

Tests that rely exclusively on reading and writing dense texts in Portuguese may not



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to reflect the deaf student's actual technical knowledge. The use of images and diagrams to completing the process and the possibility of filmed responses in Libras (Brazilian Sign Language) are assessment strategies consistent with This approach. The goal of vocational education is to assess technical competence, and pedagogy. Visual means ensure that this skill can be built and demonstrated through the sensory channel. most powerful of the deaf student.

Finally, visual pedagogy in vocational education is a recognition of difference. linguistic and cultural aspects of the deaf. It breaks with the hegemony of the oral-auditory method and validates the Visual experience as a legitimate and sophisticated way of understanding the world and technology. By adopting this stance, the educational institution not only complies with the law, but also enriches its repertoire. It is didactic and promotes true inclusion, where the deaf student is not a "disabled" person to be... Fixed, but a visual learner to be empowered.

### **3. Curriculum adaptation and the creation of technical glossaries in Libras (Brazilian Sign Language).**

One of the greatest operational and epistemological challenges in the vocational education of deaf people. It is the specific technical terminology and industrial jargon. Many essential industry and... technology (e.g., "torque wrench," "caliper," "algorithm," "hydrostatic lubrication," "milling cutter") The word "transistor" does not have corresponding signs in everyday vernacular Libras, which is used for... social communication. The excessive use of fingerspelling (manual spelling) for these terms slows down Communication, however, causes cognitive fatigue and hinders conceptual understanding, as spelling does not It carries within itself the semantic meaning or mental image of the object or action, being only a Representation of the orthography of the Portuguese language.

The specialist educator should act as an active terminologist and researcher, working in close collaboration with deaf students, interpreters, and technical instructors in the field to create, to agree upon or redefine signs that represent these technical concepts. These neologisms or Technical signs must be created respecting the phonological and morphological parameters of Libras (Brazilian Sign Language). always seeking iconicity (visual relationship with the shape of the object, the movement of the tool) or the action performed) to facilitate memorization and immediate cognitive association. **Faulstich (2019)** His lexical studies highlight the importance of this planned neologism for the expansion of the lexicon. The use of Libras (Brazilian Sign Language) in academic and professional areas is criticized, arguing that a language that does not keep up-to-date is problematic. Technically, it condemns its speakers to professional backwardness and dependence on the majority language.

The creation and dissemination of visual technical glossaries (video sign language or illustrated dictionaries) (bilingualism) within the educational institution is an indispensable practice for standardizing communication. A glossary is not just a list of words; it's a tool for reinforcing concepts. Each entry should contain the term in Portuguese, an image of the object/action, and the technical definition. simplified and the video of the sign in Libras (Brazilian Sign Language). This standardization is crucial to ensure that, when the

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When the interpreter makes the sign for "capacitor," the deaf student will immediately visualize the electronic component and its function, and not just a spelled-out word devoid of meaning.

The validation of these signs by the local deaf community and deaf professionals in the field.

It is essential for its legitimation and effective use. Signs created arbitrarily by listeners without the

The participation of deaf people tends to be rejected or violates grammatical rules of Libras (Brazilian Sign Language). The process

The creation of the glossary should therefore be a participatory pedagogical process, where the students themselves...

Deaf students, upon understanding how a machine works, propose the sign that best describes it.

This represents [something]. It empowers the student and strengthens their appropriation of technical knowledge.

In addition to creating symbols for nouns (tools, parts), it is essential to develop

symbols for verbs of technical action (e.g., "weld," "file," "calibrate," "program") and for concepts.

Abstract terms (e.g., "efficiency," "productivity," "risk"). Curriculum adaptation also involves...

Translation of manuals, course materials, and technical standards into more accessible language or directly

for Libras (video lessons), reducing the barrier to reading in a second language that often...

It hinders the deaf student's progress in theoretical subjects.

The dissemination of these glossaries should extend beyond the school walls. Sharing these

Lexicons with partner companies that receive interns or hire deaf professionals is a

Inclusion strategy in the job market. When the factory supervisor and the deaf employee

They share a basic repertoire of technical signals, communication flows, and productivity increases.

and the risk of accidents decreases. The technical glossary thus becomes a social technology for inclusion.

labor.

Finally, curriculum adaptation does not mean simplification or impoverishment of content.

On the contrary, it means finding semantic and linguistic ways to ensure that the same

Complex and rigorous content taught to hearing people should be accessible to deaf people. The technical rigor must...

to be maintained; what changes is the strategy for accessing this rigor. Libras, as a natural language and

complete, it has all the necessary resources to express the complexity of science and of

Technology, provided there is intellectual investment in its lexical expansion.

#### **4. The strategic role and performance of the educational interpreter in the learning workshop.**

The Sign Language/Portuguese Translator and Interpreter (TILSP) in vocational education does not act not only as a neutral channel of linguistic transmission, but as a cultural and technical mediator.

active and indispensable. To work effectively in highly complex technical courses, this

Professionals need to go beyond linguistic fluency; they need to have prior knowledge.

(*briefing*) from the technical area being interpreted, in order to make lexical, semantic and

correct concepts. An error in the interpretation of a safety instruction, of a measure of

A lack of precision or in an operational procedure can result in serious accidents, damage to



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expensive equipment or the training of a technically incompetent professional.

The partnership between the lead professor of the technical subject (the content specialist) and the

The role of a sign language interpreter/educator must be narrow and well-planned. **Lacerda (2009)** discusses this extensively.

the complexity of this joint effort, emphasizing that the interpreter does not replace the teacher, but

This makes teaching possible. This partnership requires prior lesson planning to anticipate difficulties.

terminological, discuss explanation strategies and align the time needed for translation, which

In Libras (Brazilian Sign Language), it may require explanatory expansions to account for concepts that do not have an equivalent.

Direct interpretation in Portuguese. The technical teacher needs to understand the processing time of the interpretation.

so as not to disrupt communication.

In the specific context of practical workshops and industrial laboratories, where visual noise and

The sound is intense, the dynamics are fast, and the physical risk is real; the physical positioning of the performer is...

Strategic. He must position himself in such a way as to ensure that the deaf student has full access to the field.

visual representation of the pedagogical action (the teacher's hand on the typewriter) and of the linguistic explanation (the hands of

(interpreter) simultaneously, or with minimal eye deviation. Physical barriers such as machines

High ceilings, pillars, or poor lighting should be eliminated. The interpreter becomes part of the ergonomics of the...

Practical lesson.

The educational interpreter in vocational education also acts as a role model.

and professional ethics. Their demeanor, attire (often requiring the same PPE as the students) and

Commitment signals to the deaf student the norms of the work environment. Furthermore, the

The interpreter must be mindful of the ethics of autonomy, not doing the tasks for the student, but ensuring...

that he has all the necessary information to do them on his own. The ultimate goal is autonomy.

The technique of deafness requires the interpreter to know when to step back to allow the student to interact.

directly with the object of knowledge.

The ongoing training of these interpreters in specific technical areas is a gap that...

It needs to be filled in. Interpreting a philosophy lecture is cognitively different from interpreting a

CNC lathe programming class or building electrical installation class. Educational institutions

Professionalizing institutions should invest in the technical training of their interpreter staff, offering-

They will have access to the same materials and training given to students, so that they can translate with

Property and security. An interpreter who understands the technical process translates meaning; an interpreter

that which merely transliterates words translates noise.

The interpreter's role also extends to the relationship between the deaf student and their peers.

listeners. In group work, integrative projects, and collaborative activities, the interpreter facilitates communication.

Social interaction and the exchange of knowledge combat the isolation of deaf students. It helps to...

To demystify deafness for the class and encourage direct communication, often teaching sign language.

basic information for fellow listeners to facilitate interaction in the workshop.



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In short, the interpreter in vocational education is a co-educator. Their role requires...

Linguistic competence, technical knowledge, physical stamina (for performing while standing in workshops) for extended periods) and pedagogical sensitivity. He is the living link that connects technical knowledge formalized in spoken language to the visual cognition of the deaf student, allowing the transfer of technology and knowledge actually happen.

## 5. Andragogy and the profile of the young deaf learner: challenges of literacy and L2.

Training young apprentices and adults for inclusion in the job market requires an andragogical approach (adult education) that considers the specificities of the educational trajectory. previous and fragmented understanding of the deaf community. Many of these young people arrive at vocational education with Significant gaps in Portuguese language literacy, resulting from historical and systemic failures. In inclusive basic education, they were often "copyists" of the board without real understanding of the texts. Technical education, therefore, should also function as a space for literacy contextualized, where Portuguese is taught as an instrumental and functional second language (L2), applied to the reality of the profession.

The focus of this literacy should be the reading and interpretation of technical text genres: operating manuals, safety standards (NRs), work orders, parts catalogs and instructions work. The educator should value the student's life experience and their deaf identity as assets for learning, promoting autonomy, research and professional self-efficacy. Strategies such as shared reading of technical texts and the creation of personal bilingual glossaries. (Portuguese-Libras) and the use of images to anchor the written text are fundamental. Andragogy It assumes that the student is the active subject of their learning; in the case of a deaf student, this implies... to give him the linguistic tools so that he can seek knowledge autonomously and continuous.

A gap in basic mathematical concepts is also a common challenge that requires... Andragogical intervention. Area and volume calculations, unit conversion, and the rule of three are... fundamental in almost all technical professions. The teaching of these concepts should begin with Real problems in the workshop, using visual aids and concrete materials to overcome the gaps left behind by the abstract and oral teaching of school mathematics. The educator must build bridges between the empirical knowledge that adult learners often already possess and the mathematical formalization required by the technique.

The motivation of deaf adult students is intrinsically linked to the applicability of knowledge. To show how theory applies in practice and how that learning will result in Employability and income are essential for maintaining engagement. Andragogy values learning. practical and problem *-based learning* methodologies align



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perfectly suited to the visual and kinesthetic learning styles of many deaf people. Projects that resulting in tangible products increases the student's self-esteem and perception of competence.

The development of socio-emotional skills (*soft skills*) is also part of Andragogical approach in vocational education. Teamwork, punctuality, ethics. Professionalism, conflict resolution, and assertive communication are topics that should be addressed. explicit and culturally adapted form. The deaf student needs to understand the implicit rules of The role of the listener in the world of work is to avoid being harmed by cultural misunderstandings. An educator's role is to act as a cultural mentor, translating not only the language but also the corporate culture.

The heterogeneity of the classes, which may mix deaf students with different levels of fluency. In sign language and at different educational levels, it is an andragogical challenge. The educator must practice the pedagogical differentiation, offering activities with different levels of complexity and support, ensuring that everyone progresses from their starting point. Respect for individual pace and... Valuing partial achievements are andragogical principles that promote retention and success. of the deaf student.

It can be concluded that vocational education for the deaf cannot be merely technical; it needs... It must be restorative and empowering. It should fill the gaps in basic education while also providing a framework. Looking to the future, we will use andragogy and bilingualism as tools to restore trust. the student's role depends on their own ability to learn and produce.

## **6. Workplace safety and accessible communication: accident prevention in hazardous environments.**

Safety in the industrial environment is a critical issue and involves civil and criminal liability. for businesses and educational institutions. Traditional safety protocols, historically based on audible alarms, verbal danger warnings, and radio instructions, they are ineffective and dangerous for deaf workers. Vocational education should prepare the student not only for Operate machinery skillfully, but also identify risks and require safety adaptations. (assistive technology) in your future workplace, becoming an active agent of your own protection.

Adapting the learning environment for visual safety is the first step. This includes... Installation and training on the use of strobe light signals for alarms. Fire, evacuation, or machine failure. The use of vibrant colors to demarcate risk areas. On the ground, clear signage for forklift traffic lanes and the use of mirrors. Convex curves at intersections are indispensable safety engineering measures. The deaf student You must learn to visually assess the hazardous environment, developing peripheral vision. heightened to compensate for the absence of auditory cues.



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Teaching the Regulatory Standards (NRs), such as NR-10 (electrical safety), NR-12 (safety in machinery and equipment) and NR-35 (work at height) must be translated and Culturally adapted to visual reality. It is not enough for the student to memorize the rules; he needs Understanding the logic behind accident prevention and the physical risks involved. Videos in Libras (Brazilian Sign Language). demonstrating risky situations and the correct use of PPE (Personal Protective Equipment) are more effective than passively reading the rules. Simulating emergency situations with Visual communication is vital for conditioning the correct response in case of panic.

Communication between the team in high-risk areas is another crucial point. Teaching hand signals is also essential. Basic safety measures for the entire team (deaf and hearing) or the establishment of visual codes. (lights, flags, conventional gestures) ensures rapid communication in critical situations where the An interpreter may not be present. The deaf student must be trained to establish these protocols. communication with his future colleagues and supervisors, ensuring that he does not become isolated in dangerous situations.

Technology also plays an increasing role in inclusive safety. The use of Vibrating *paggers*, *smartwatches*, or apps that alert you to emergencies are tools that... These should be presented to students during their training. Awareness of the rights of Workers with disabilities need to adapt their workstations and accessibility resources as part of the process. Fundamental to civic and professional development. Deaf people need to know that accessible safety is a A legal right, not a favor.

The assessment of understanding of safety rules must be rigorous. The educator does not It can be lenient on safety under the guise of inclusion. If the student did not understand a The power *lockout/tagout* procedure cannot be approved because it puts your life and safety at risk. Others will be at risk. The assessment must ensure that the concept of security has been internalized. regardless of fluency in written Portuguese. Security is the only area where tolerance for The error rate should be zero.

It can be concluded that inclusive workplace safety is not just about adapting equipment, But it's about creating a culture of prevention that considers human diversity. The deaf professional. Aware, trained in visually safe environments, and capable of advocating for their own safety, It becomes a valuable asset for the company, contributing to a safer and more secure work environment. Paying attention to everyone.

## **7. Assessment of learning in a bilingual and technical context**

The assessment of deaf students in technical and vocational courses cannot be based on exclusively in written tests in standard Portuguese, which often do not reflect reality. The student's technical knowledge is challenged by the second language barrier. The traditional written assessment.

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In these cases, it measures linguistic competence in Portuguese more than technical competence.

acquired in the profession. **Salles (2000)** and other theorists of deaf education argue that the

The assessment must consider the linguistic uniqueness of the deaf person in order to be truly fair and inclusive.

Assessment should be flexible, process-oriented, and multimodal. It is essential to allow the student...

Demonstrate your practical competence in performing tasks ("hands-on"), assembling circuits,

operating machines, welding parts, or developing code, where the language barrier is...

Minimized by direct technical performance. Practical tests should have a significant weight in the grade.

Finally, they reflect the skills that will be required in the job market.

For theoretical assessment, adapted strategies are necessary. Tests with questions.

Translated into video-sign language, the question ensures that the student understands it. The possibility of answering

Theoretical questions through Libras (being filmed for later correction or with interpretation)

(Simultaneous presentation to the lead professor) allows the student to develop complex reasoning that he might otherwise...

unable to express it in writing. The use of objective tests with many images and little text,

Well-designed multiple-choice tests can also reduce linguistic ambiguity.

The extended time allowed for taking exams is a right that must be respected.

considering the time required for visual processing of the interpretation and reading in a second

language. The presence of an interpreter during the exam to clarify semantic doubts (without giving the

(The answer) is a measure of equity. Evaluation feedback should also be given in Libras (Brazilian Sign Language).

ensuring that the student understands their mistakes and successes and can learn from them.

The initial diagnostic assessment is crucial to identify the level of prior knowledge and

The student's literacy, allowing the educator to plan the necessary adaptations. The assessment

Formative feedback, provided throughout the entire process, allows for course correction and timely reinforcement.

Real. The learning portfolio, where the student gathers photos, videos, and reports of their work.

In practice, it is an excellent assessment tool for deaf people, as it documents concrete progress.

of the skills.

The focus of assessment in vocational education should be the technical competence acquired, the

Logical reasoning, problem-solving skills, and adherence to technical procedures.

and security. Grammatical proficiency in written Portuguese, while important, should not

to be the cutoff criterion for the certification of an excellent mechanical turner, electrician or

Deaf programmer. Fair evaluation validates the effort and talent of the deaf student.

## **8. Conclusion**

The professional training of deaf people is a complex and challenging process.

multifaceted, requiring the deconstruction of hegemonic hearing paradigms and reinvention



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The creative potential of pedagogical practices in technical education: An in-depth analysis conducted in this study.

This demonstrates that when communication barriers are removed through visual methodologies, Bilingual and culturally adapted, the learning and technical execution potential of the deaf student is comparable to, and often superior in terms of visual attention, focus, and manual dexterity, that of any other professional listener. Support for inclusion in professional educational environments does not It is not a philanthropic concession or welfare, but an imperative of institutional quality.

Economic efficiency and corporate social responsibility.

The educator specializing in Libras (Brazilian Sign Language) acts as an indispensable bridge-builder. connecting the world of work, with its rigid norms, precise techniques, and demands of productivity, to the visual and cultural world of the deaf. The creation of standardized technical glossaries, the careful adaptation of teaching materials, the interpreter's strategic role, and awareness-raising. Deep engagement from faculty and students are fundamental and non-negotiable steps for inclusion. Move beyond abstract legal discourse and become effective practice on the factory floor, in offices, and in... innovation labs.

The modern job market, which relentlessly seeks innovation, efficiency, and Diversity is lacking, but there is a shortage of qualified professionals and well-implemented inclusive vocational education. It is the most powerful tool for delivering competent, confident deaf professionals to society. autonomous and ready to contribute to the productivity and technological development of industry and services. The presence of qualified deaf professionals enriches the work environment. work, bringing new perspectives to problem-solving and fostering a culture a more humane and communicative organizational structure.

Investing in visual pedagogy, assistive technology, and ongoing instructor training. Embracing diversity not only benefits the deaf student, but also enhances the entire educational institution. making their methods clearer, more objective, universal, and effective for all students, including those listeners with learning difficulties. Excellence in inclusive vocational education is, therefore, an indicator of pedagogical maturity and ethical commitment to development. A holistic human being. Ensuring that deaf people have access not only to enrollment, but also to knowledge. A profound and transformative technical approach is to guarantee full citizenship, dignified work, and the right to... to build your own future.

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