Professional Master's Degree Speech, Language and Communication Disorders



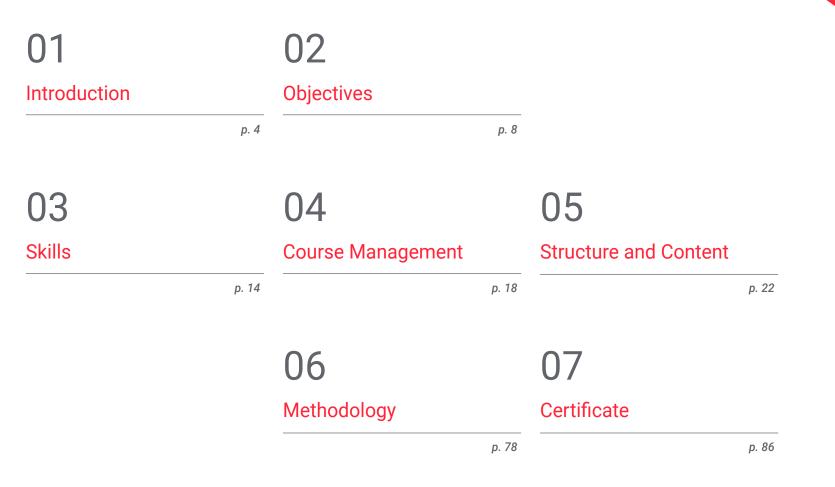


**Professional Master's Degree** Speech, Language and Communication Disorders

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/in/education/professional-master-degree/master-speech-language-communication-disorders

## Index



# 01 Introduction

Language delay, mispronounced phonemes, prolongation of words or blocks are just some of the difficulties that a child may present and which a professional must be able to assess, diagnose and intervene in a child. Thanks to scientific studies and the application of new technologies, this area has achieved remarkable progress in the recovery and quality of life of children. The involvement of the family and the educational community, in coordination with specialists, are key to achieving these goals. This 100% online program provides students with a comprehensive knowledge of the main speech disorders through multimedia content provided by a team of professionals with extensive experience in this field.



A Professional Master's Degree 100% online that will allow you to grow professionally with a teaching team that has extensive experience in the intervention of children with speech difficulties"

## tech 06 | Introduction

In the first years of human life, physical and cognitive development is essential for proper development. However, certain minors present speech, language and communication difficulties that are often detected by education professionals themselves. Having qualified personnel in this area in the educational community facilitates the intervention of the child in coordination with families and specialists. A joint effort where the involvement of all parties will lead to the resolution of the problem, the academic improvement and ultimately the quality of life.

A program taught exclusively in online mode that will allow students to progress in their professional career through a comprehensive curriculum, which will lead them throughout the 12 months of this degree to an in-depth knowledge in the field of speech, language and communication. Through video summaries, detailed videos or interactive diagrams, the student will be able to acquire a broad knowledge of the key concepts of speech therapy, dyslalias, dyslexia, specific language disorder, autism or genetic syndromes. Likewise, this university program will dedicate a space to psychological knowledge of interest in the speech therapy field, in which the main study habits and techniques that can help improve the performance of children and adolescents from a speech therapy and psychological point of view will be addressed. Additionally, the case studies provided by the teaching group will be very useful for the participants of this course, since it offers them an approach to situations that they may face in their professional performance.

TECH provides an excellent opportunity for those seeking to advance their professional careers through education offered in a convenient format. The student only needs a computer, tablet or cell phone to connect and consult the syllabus of this Professional Master's Degree. This content will also be available in its entirety from the beginning of this program. With no attendance or fixed timetables, students have the freedom to access the virtual platform whenever and wherever they wish. In addition, you will have the possibility of distributing the teaching load according to your needs, allowing you to balance quality education with other areas of your personal life.

This **Professional Master's Degree in Speech, Language and Communication Disorders** contains the most complete and up-to-date program on the market. The most important features include:

- Development of more than 75 case studies presented by experts in Speech, Language and Communication Disorders
- The graphic, schematic, and practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice
- Latest developments in Speech, Language and Communication Disorders
- It contains practical exercises where the self-assessment process can be carried out to improve learning
- With special emphasis on innovative methodologies in Speech, Language and Communication Disorders
- All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an internet connection

Enroll now in a university degree in which you can comfortably delve into dyslexia, dyslalia or autism whenever you want"

## Introduction | 07 tech

An academic option that offers you the necessary teaching tools to obtain an advanced education in a more dynamic way"

The program's teaching staff includes professionals from the sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

The Relearning system used by TECH will allow you to reduce the hours of study that are more frequent in other teaching methods.

Do you want to improve in your field without neglecting other areas of your life? This Professional Master's Degree gives you the flexibility you are looking for.

# 02 **Objectives**

The main objective of this degree is the professional development of the students who take this course. To this end, the specialized faculty that teaches this program has developed a content, where the student will delve into the basics of speech therapy and language in order to learn about the different assessment and intervention techniques applied depending on the disorder. In this way, throughout the 1,500 teaching hours of this program, the student will acquire the knowledge required to care for children with dyslalia, dyslexia, specific language disorder or infant-juvenile dysarthria. Case study simulations will be very useful in achieving these goals.

Objectives | 09 tech

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You will acquire a knowledge that will allow you to understand the different techniques used in the intervention of logopathies"

## tech 10 | Objectives



#### **General Objectives**

- Provide a specialized education based on theoretical and instrumental knowledge that will enable the student to obtain skills in detection, prevention, assessment and intervention in the logopathies treated.
- Consolidate basic knowledge of the intervention process in the classroom and other spaces based on the latest technological advances that facilitate access to information and the curriculum for these students.
- Update and develop specific knowledge on the characteristics of these disorders in order to refine the differential and proactive diagnosis that sets the guidelines for intervention.
- Raise awareness in the educational community of the need for educational inclusion and holistic intervention models with the participation of all members of the community
- Learn about educational experiences and good practices in speech therapy and psychosocial intervention that promote the personal, socio-family and educational adaptation of students with these educational needs





#### Module 1 Basis of Speech and Language Therapy

- Delve into the concept of speech therapy and the areas of action of professionals in this discipline
- Acquire knowledge about the concept of language and the different aspects that compose it
- Delve into the typical development of language, knowing its stages, as well as being able to identify the warning signs of language development
- Understand and be able to classify the different language pathologies, from the different approaches currently existing
- Know the different batteries and tests available in the discipline of speech therapy, in order to carry out a correct assessment of the different areas of language
- Be able to develop a speech therapy report in a clear and precise way, both for the families and for the different professionals
- Understand the importance and effectiveness of working with an interdisciplinary team, whenever necessary and beneficial for the child's rehabilitation

#### Module 2. Dyslalias: Assessment, Diagnosis, and Intervention

- Delve into the knowledge of dyslalias and the different types of classifications and subtypes that exist
- Understand and be able to apply the processes involved in the intervention, at the same time, to acquire knowledge to be able to intervene and to make own and effective material for the different dyslalias that may occur

#### Module 3. Dyslexia: Assessment, Diagnosis, and Intervention

- Gain knowledge about everything involved in the evaluation process, in order to be able to carry out the most effective speech therapy intervention possible
- Learn about the reading process from vowels and syllables to paragraphs and complex texts
- Analyze and develop techniques for a correct reading process
- Be aware and be able to involve the family in the child's intervention, so that they are part of the process and that this collaboration is as effective as possible

#### Module 4. Specific Language Disorder

- Acquire sufficient knowledge to be able to assess a verbal fluency disorder
- Identify the main language disorders and their therapeutic treatment
- Recognize the need for an intervention supported and endorsed by both the family and the teaching staff of the child's school

#### Module 5. Understanding Autism

- Contact with the disorder. Identify myths and false beliefs
- Know the different areas affected, as well as the first indicators within the therapeutic process
- Promote professional competence based on a global vision of the clinical picture; multifactorial assessment
- Provide the necessary tools for an adequate specific adaptation in each case
- Broaden the vision of the field of action; professionals and family as an active role
- The role of the speech therapist as a dynamic element in the patient with autism

## tech 12 | Objectives

#### Module 6. Genetic Syndromes

- Be able to identify the most frequent genetic syndromes currently in use
- In-depth knowledge about the characteristics of each of the syndromes described in the degree
- Acquire optimal knowledge to carry out a correct and functional assessment of the different symptoms that may occur
- Delve into different intervention tools, including material and resources, both manipulatives and computer devices, as well as possible adaptations to be made All this, in order to achieve an effective and efficient intervention by the professional

## Module 7. Dysphemia and/or Stuttering: Assessment, Diagnosis, and Intervention

- Gain knowledge about the concept of dysphemia, including its symptoms and classification
- Be able to differentiate between normal dysfluency and verbal fluency impairment, such as dysphemia
- Delve into the marking of objectives and the depth of the intervention of a dysphemic child, in order to be able to carry out the most efficient and effective work possible.
- Understand and be aware of the need to keep a record of all the sessions and everything that happens in them

#### Module 8. Dysarthria in Children and Adolescents

- Acquisition of the basic fundamentals of dysarthria in children and adolescents, both conceptual and classificatory, as well as the particularities and differences with other pathologies
- Be able to differentiate the symptomatology and characteristics of verbal apraxia and dysarthria, being able to identify both pathologies by carrying out an adequate assessment process
- Clarify the role of the speech therapist in both the assessment and intervention process, being able to apply appropriate and personalized exercises to the child
- Gain knowledge about the environments and contexts of children's development, being able to provide appropriate support in all of them and guide the family and educational professionals in the rehabilitation process
- Be aware of the professionals involved in the assessment and intervention of dysarthric children, and the importance of collaboration with all of them during the intervention process

#### Module 9. Understanding Hearing Impairments

- Assimilation of the anatomy and functionality of the organs and mechanisms involved in hearing
- Delve into the concept of hypoacusis and the different types of hearing loss that exist
- Gain knowledge about the assessment and diagnostic tools to assess hearing loss and the importance of a multidisciplinary team to carry it out
- Be able to carry out an effective intervention in a hypoacusia, knowing and internalizing all the phases of such intervention

## Objectives | 13 tech

- Know and understand the functioning and importance of hearing aids and cochlear implants
- Delve into bimodal communication and to be able to understand its functions and their importance
- Approach the world of sign language, knowing its history, its structure, and the importance of its existence
- Understand the role of the sign language Interpreter

## Module 10. Psychological Knowledge of Interest in the Speech-Language Pathology Field

- Understand the area of knowledge and work of child and adolescent psychology: object of study, areas of action, etc.
- Become aware of the characteristics that a professional working with children and adolescents should have or enhance
- Acquire the basic knowledge necessary for the detection and referral of possible Psychological Problems in children and adolescents that may disturb the child's wellbeing and interfere in the Speech Therapy rehabilitation and to reflect on them
- To know the possible implications that different psychological problems (emotional, cognitive, and behavioral) may have on speech therapy rehabilitation
- Acquire knowledge related to attentional processes, as well as their influence on language and intervention strategies to be carried out at the speech therapy level together with other professionals
- Delve into the subject of executive functions and to know their implications in the area of language, as well as to acquire strategies to intervene on them at a speech therapy level together with other professionals

- Acquire knowledge on how to intervene at the level of social skills in children and adolescents, as well as to delve into some concepts related to them, and to obtain specific strategies to enhance them
- Know different behavior modification strategies that are useful in consultation to achieve both the initiation, development, and generalization of appropriate behaviors, as well as the reduction or elimination of inappropriate behaviors
- Delve into the concept of motivation and to acquire strategies to promote it in consultation
- Acquire knowledge related to school failure in children and adolescents
- Gain knowledge about the main study habits and techniques that can help to improve the performance of children and adolescents from a speech therapy and psychological point of view

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This program will lead you to acquire key knowledge to apply different behavior modification strategies"

# 03 **Skills**

Students who complete this Professional Master's Degree will have broadened their competencies and skills at the end of the course thanks to the didactic tools provided by the teaching team that has developed this degree. The students will be able to expand their abilities to carry out a correct assessment and intervention process, being able to create their own material according to the different logopathies suffered by the child and to use the different existing technologies applied to different innovative therapies All this will allow students to progress in their professional careers with solid knowledge and practical application

Skills | 15 tech

This degree will allow you to approach the world of sign language, knowing its history, its structure and the importance of its existence"

## tech 16 | Skills



#### **General Skills**

- Delve into concepts and logopedic procedures and each and every one of the areas of action of the professionals of this discipline
- Acquire knowledge about the dimensions of language and speech
- Delve into the evolutionary and normative neurodevelopmental aspects
- Understand and be able to classify the different speech and language pathologies
- Acquire skills for the elaboration of technical reports
- Assimilate effective intervention practices from a multidisciplinary approach

Our goal is to achieve academic excellence and to help you achieve it too"





### Specific Skills

- Delve into the knowledge of logopathies and the different types of existing classifications and subtypes
- Gain knowledge of the assessment process, in order to carry out the most effective speech therapy intervention possible
- Be aware and be able to involve the family, as well as the rest of the educational agents in the whole speech therapy process, considering the contextual and psychosocial variables
- Learn and integrate the use of technologies, as well as the application of innovative therapies and resources from other related disciplines



# 04 Course Management

TECH remains committed to offering all students a quality education with the most innovative content in the academic field. This is the reason why in this degree the students will find a highly qualified management and teaching staff with extensive experience in Speech, Language and Communication Disorders. A team of specialists whose extensive knowledge is reflected in a curriculum that has been designed using the latest technologies applied to education. Likewise, the faculty will answer any questions that may arise about the syllabus that integrates this degree. All this with the main objective that the students progress in their professional career with a 100% online and high level program.

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Only with a specialized and experienced teaching team will you gain the knowledge you need to progress in your professional career"

## tech 20 | Course Management

#### **International Guest Director**

Dr. Elizabeth Anne Rosenzweig is an internationally renowned specialist dedicated to the care of children with hearing loss. As a Speech Language Expert and Certified Therapist, she has pioneered several telepractice-based early assistance strategies of broad benefit to patients and their families.

Dr. Rosenzweig's research interests have also focused on trauma support, culturally sensitive auditory-verbal practice and personal coaching. Her active scholarly work in these areas has earned her numerous awards, including Columbia University's Diversity Research Award.

Thanks to her advanced skills, she has taken on professional challenges such as the leadership of the Edward D. Mysak Communication Disorders Clinic at Columbia University. She is also known for her academic career, having served as a professor at Columbia's Teachers College and as a collaborator with the General Institute of Health Professions. On the other hand, she is an official reviewer of publications with a high impact in the scientific community such as The Journal of Early Hearing Detection and Intervention and The Journal of Deaf Studies and Deaf Education.

In addition, Dr. Rosenzweig manages and directs the AuditoryVerbalTherapy.net project, from where she offers remote therapy services to patients located in different parts of the world. She is also a speech and audiology consultant for other specialized centers located in different parts of the world. She has also focused on developing non-profit work and participating in the Listening Without Limits Project for children and professionals in Latin America. At the same time, the Alexander Graham Bell Association for the Deaf and Hard of Hearing relies on her as its vice-president.



## Dra. Rosenzweig, Elizabeth Anne

- Director of the Communication Disorders Clinic at Columbia University, New York, United States
- Professor, General Hospital Institute of Health Professions, New York, United States
- Director of Private Practice AuditoryVerbalTherapy.net
- Department Head, Yeshiva University
- Attending Specialist at Teachers College, Columbia University
- Reviewer for The Journal of Deaf Studies and Deaf Education and The Journal of Early
- Hearing Detection and Intervention
- Vice-President, Alexander Graham Bell Association for the Deaf and Hard of Hearing
- Ph.D. in Education from Columbia University
- Master's Degree in Speech Therapy from Fontbonne University
- B.S. in Communication Sciences and Communication Disorders from Texas Christian University
- Member of:
- American Speech and Language Association

- American Cochlear Implant Alliance
- National Consortium for Leadership in Sensory Impairment

Thanks to TECH you will be able to learn with the best professionals in the world"

## tech 20 | Course Management

#### Management



#### Ms. Vázquez Pérez, Maria Asunción

- Forensic Speech Therapist with teaching experience in Attention Deficit Hyperactivity Disorder (ADHD)
- Diploma in Speech Therapy with training and experience in hearing impairment, autism spectrum disorders, augmentative communication systems

#### Professors

#### Ms. Berbel, Fina Mari

- Rehabilitation clinic manager
- Speech therapist at the Federation of Deaf People of Alicante
- Speech therapist graduated from the University of Murcia with a Master's degree in Clinical Audiology and Hearing Therapy
- Training in Spanish Sign Language interpreting

#### Ms. Rico Sánchez, Rosana

- Director and Speech Therapist in the Speech Therapy and Pedagogy Center "Words and More"
- Speech therapist collegial N° 09/032 Professional Association of Speech Therapists of Castilla y León

#### Ms. López Mouriz, Patricia

- General Health Psychologist graduated in Psychology from the University of Santiago de Compostela (USC)
- Master's Degree in General Health Psychology from the same university in 2018
- Training in equality, brief therapy, and learning difficulties in children
- Specialised in psychological intervention in drug addiction and eating disorders, as well as in group intervention with women in vulnerable situations
- Degree in Psychology from the University of Santiago de Compostela (USC)

## Course Management | 21 tech



#### Ms. Mata Ares, Sandra María

- Speech therapist
- Specialist in Speech Therapy Intervention in Childhood and Adolescence
- Master's Degree in Speech Therapy Intervention in Childhood and Adolescence
- She has specific training in disorders related to Speech and Language in childhood and adulthood

#### Ms. Plana González, Andrea

- Specialized in phonological awareness, dyslexia, dyslalia, ASD, aphasia, dementia, dysarthria and dysphagia
- Graduated in Speech Therapy at the University of Valladolid
- Master's Degree in Orofacial and Myofunctional Therapy from the Pontifical University of Salamanca
- Specialized in phonological awareness, dyslexia, dyslalia, ASD, aphasia, dementia, dysarthria and dysphagia

#### Ms. Cerezo Fernández, Ester

- Speech therapist specialized in Neurology
- Master's degree in clinical neuropsychology, expert in myofunctional therapy and early care, neurological speech therapy
- Graduate in Speech Therapy

## 05 Structure and Content

The curriculum of this Professional Master's Degree has been developed by a teaching team that has invested hours in creating content that provides the most relevant and essential information for understanding speech, language and communication disorders. The relearning system, used by TECH in all its qualifications, will favor the progression along this teaching in a more natural and agile way. In addition, this method reduces the long hours of study so frequent in other methodologies. With these tools, students will learn the fundamental concepts of speech therapy and language, as well as the techniques and tools used for the correction and resolution of the most common disorders in the infantile-juvenile stage.

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You have 24 hours a day a multimedia syllabus that you can distribute according to your needs. A flexible university education that adapts to you. Enroll now"

## tech 24 | Structure and Content

#### Module 1. Basis of Speech and Language Therapy

- 1.1. Introduction to the Professional Master's Degree and to the Module
  - 1.1.1. Introduction to the Professional Master's Degree
  - 1.1.2. Introduction to the Module
  - 1.1.3. Previous Aspects of the Language
  - 1.1.4. History of the Study of Language
  - 1.1.5. Basic Theories of Language
  - 1.1.6. Research in Language Acquisition
  - 1.1.7. Neurological Bases of Language Development.
  - 1.1.8. Perceptual Bases in Language Development
  - 1.1.9. Social and Cognitive Bases of Language
    - 1.1.9.1. Introduction
    - 1.1.9.2. The Importance of Imitation
  - 1.1.10. Final Conclusions
- 1.2. What is Speech Therapy?
  - 1.2.1. Speech Therapy
    - 1.2.1.1. Concept of Speech Therapy
    - 1.2.1.2. Concept of Speech Therapist
  - 1.2.2. History of Speech Therapy
  - 1.2.3. Speech Therapy in the rest of the World
    - 1.2.3.1. Importance of the Speech Therapy Professional in the Rest of the World
      - 1.2.3.2. What are Speech Therapists called in other countries?
      - 1.2.3.3. Is the figure of the Speech Therapist valued in other Countries?
  - 1.2.4.Functions of the Speech-Language Pathologist1.2.4.1. The Reality of Speech Therapy
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  - 1.2.6. Forensic Speech Therapy
    - 1.2.6.1. Initial Considerations
    - 1.2.6.2. Concept of Forensic Speech Therapist
    - 1.2.6.3. The Importance of Forensic Speech Therapists

- 1.2.7. The Hearing and Speech Teacher
  - 1.2.7.1. Concept of Hearing and Speech Teacher
  - 1.2.7.2. Areas of work of the Hearing and Speech Teacher
  - 1.2.7.3. Differences between Speech-Language Pathologist and Hearing and Speech Teacher
- 1.2.8. Final Conclusions
- 1.3. Language, Speech, and Communication
  - 1.3.1. Preliminary Considerations
  - 1.3.2. Language, Speech, and Communication
    - 1.3.2.1. Concept of Language
    - 1.3.2.2. Concept of Speech
    - 1.3.2.3. Concept of Communication
    - 1.3.2.4. How do they differ?
  - 1.3.3. Language Dimensions
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    - 1.3.4.2. Theory of Determinism: Whorf
    - 1.3.4.3. Theory of Behaviorism: Skinner
    - 1.3.4.4. Theory of Innatism: Chomsky
    - 1.3.4.5. Interactionist positions
  - 1.3.5. Cognitive theories that explain the development of Language.1.3.5.1. Piaget1.2.5.2. Muncheling
    - 1.3.5.2. Vygotsky
    - 1.3.5.3. Luria
    - 1.3.5.4. Bruner
  - 1.3.6. Influence of the Environment on Language Acquisition
  - 1.3.7. Language Components
    - 1.3.7.1. Phonetics and Phonology
    - 1.3.7.2. Semantics and Lexicon
    - 1.3.7.3. Morphosyntax
    - 1.3.7.4. Pragmatics



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### Structure and Content | 27 tech

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	1.6.10.	Why is it so Important to Carry Out a Speech Therapy Report?
		1.6.10.1. Preliminary Considerations
		1.6.10.2. Areas where a Speech Therapy Report can be Key
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		1.7.1.1. The need to elaborate a Speech Therapy Intervention Program
	1.7.2.	What is a Speech Therapy Intervention Program?
		1.7.2.1. Concept of the Intervention Program
		1.7.2.2. Intervention Program Fundamentals
		1.7.2.3. Speech Therapy Intervention Program Considerations
	1.7.3.	Fundamental Aspects for the Elaboration of a Speech Therapy Intervention Program
		1.7.3.1. Characteristics of the Child
	1.7.4.	Planning of the Speech Therapy Intervention
		1.7.4.1. Methodology of Intervention to be Carried Out
		1.7.4.2. Factors to Take Into Account in the Planning of the Intervention
		1.7.4.2.1. Extracurricular Activities
		1.7.4.2.2. Chronological and Corrected Age of the Child
		1.7.4.2.3. Number of Sessions per Week
		1.7.4.2.4. Collaboration on the Part of the Family
		1.7.4.2.5. Economic Situation of the Family
	1.7.5.	Objectives of the Speech Therapy Intervention Program
		1.7.5.1. General Objectives of the Speech Therapy Intervention Program
		1.7.5.2. Specific Objectives of the Speech Therapy Intervention Program

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- 1.7.6. Areas of Speech Therapy Intervention and Techniques for its Intervention
  - 1.7.6.1. Voice
  - 1.7.6.2. Speech
  - 1.7.6.3. Prosody
  - 1.7.6.4. Language
  - 1.7.6.5. Reading
  - 1.7.6.6. Writing
  - 1.7.6.7. Orofacial
  - 1.7.6.8. Communication
  - 1.7.6.9. Hearing
  - 1.7.6.10. Breathing
- 1.7.7. Materials and Resources for Speech Therapy Intervention
  - 1.7.7.1. Proposition of Materials of Own Manufacture and Indispensable in a Speech Therapy Room
  - 1.7.7.2. Proposition of Indispensable Materials on the Market for a Speech Therapy Room
  - 1.7.7.3. Indispensable Technological Resources for Speech Therapy Intervention
- 1.7.8. Methods of Speech Therapy Intervention
  - 1.7.8.1. Introduction
  - 1.7.8.2. Types of Intervention Methods
    - 1.7.8.2.1. Phonological Methods
    - 1.7.8.2.2. Clinical Intervention Methods
    - 1.7.8.2.3. Semantic Methods
    - 1.7.8.2.4. Behavioral-Logopedic Methods
    - 1.7.8.2.5. Pragmatic Methods
    - 1.7.8.2.6. Medical Methods
    - 1.7.8.2.7. Others
  - 1.7.8.3. Choice of the Most Appropriate Method of Intervention for Each Subject
- 1.7.9. The Interdisciplinary Team
  - 1.7.9.1. Introduction
  - 1.7.9.2. Professionals Who Collaborate Directly with the Speech Therapist
    - 1.7.9.2.1. Psychologists
    - 1.7.9.2.2. Occupational Therapists

1.7.9.2.3. Professors 1.7.9.2.4. Hearing and Speech Teachers 1.7.9.2.5. Others 1.7.9.3. The Work of these Professionals in Speech-Language Pathology Intervention 1.7.10. Final Conclusions 1.8. Augmentative and Alternative Communication Systems (AACS) 1.8.1. Introduction to Unit 1.8.2. What are AACS? 1.8.2.1. Concept of Augmentative Communication System 1.8.2.2. Concept of Alternative Communication System 1.8.2.3. Similarities and Differences 1.8.2.4. Advantages of AACS 1.8.2.5. Disadvantages: of AACS 1.8.2.6. How do AACS arise? 1.8.3. Principles: of AACS 1.8.3.1. General Principles 1.8.3.2. False myths about AACS 1.8.4. How to Know the Most Suitable AACS? 1.8.5. Communication Support Products 1.8.5.1. Basic Support Products 1.8.5.2. Technological Support Products 1.8.6. Strategies and Support Products for Access 1.8.6.1. Direct Selection 1.8.6.2. Mouse Selection 1.8.6.3. Dependent Scanning or Sweeping 1.8.6.4. Coded Selection 1.8.7. Types of AACS 1.8.7.1. Sign Language 1.8.7.2. The Complemented Word 1873 PECs 1.8.7.4. Bimodal Communication 1.8.7.5. Bliss System 1.8.7.6. Communicators 1.8.7.7. Minspeak 1.8.7.8. Schaeffer System

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- 1.8.8. How to Promote the Success of the AACS Intervention?
- 1.8.9. Technical Aids Adapted to Each Person
  - 1.8.9.1. Communicators
  - 1.8.9.2. Pushbuttons
  - 1.8.9.3. Virtual Keypads
  - 1.8.9.4. Adapted Mice
  - 1.8.9.5. Data Input Devices
- 1.8.10. AACS Resources and Technologies
  - 1.8.10.1. AraBoard Builder
  - 1.8.10.2. Talk up
  - 1.8.10.3. #lamVisual
  - 1.8.10.4. SPQR
  - 1.8.10.5. DictaPicto
  - 1.8.10.6. AraWord
  - 1.8.10.7. Picto Selector
- 1.9. The family as Part of the Intervention and Support for the Child
  - 1.9.1. Introduction
    - 1.9.1.1. The Importance of the Family in the Correct Development of the child
  - 1.9.2. Consequences in the Family Context of a Child with Atypical Development 1.9.2.1. Difficulties Present in the Immediate Environment
  - 1.9.3. Communication Problems in the Immediate Environment1.9.3.1. Communicative Barriers Encountered by the Subject at Home
  - 1.9.4. Speech Therapy intervention aimed at the Family-Centered Intervention Model
    - 1.9.4.1. Concept of Family Centered Intervention
    - 1.9.4.2. How to carry out the Family Centered Intervention?
    - 1.9.4.3. The importance of the Family-Centered Model
  - 1.9.5. Integration of the family in the Speech-Language Pathology Intervention1.9.5.1. How to integrate the family in the Intervention?1.9.5.2. Guidelines for the Professional
  - 1.9.6. Advantages of family integration in all contexts of the subject1.9.6.1. Advantages of coordination with Educational Professionals1.9.6.2. Advantages of coordination with Health Professionals

- 1.9.7. Recommendations for the Family Environment 1.9.7.1. Recommendations to Facilitate Oral Communication 1.9.7.2. Recommendations for a Good Relationship in the Family Environment 1.9.8. The Family as a Key Part in the Generalization of the Established Objectives 1.9.8.1. The Importance of the Family in Generalization 1.9.8.2. Recommendations to facilitate Generalization 1.9.9. How do I communicate with my child? 1.9.9.1. Modifications in the child's family environment 1.9.9.2. Advice and Recommendations from the child 1.9.9.3. The Importance of keeping a Record Sheet 1.9.10. Final Conclusions 1.10. Child Development in the School context 1.10.1. Introduction to Unit 1.10.2. The Involvement of the School Center during the Speech Therapy Intervention 1.10.2.1. The Influence of the School Center in the child's development 1.10.2.2. The Importance of the Center in the Speech Therapy Intervention 1.10.3. School Supports 1.10.3.1. Concept of School Support 1.10.3.2. Who provides School Support in the Center? 1.10.3.2.1. Hearing and Speech Teacher 1.10.3.2.2. Therapeutic Pedagogy Teacher (PT)
  - 1.10.3.2.3. Counselor
  - 1.10.4. Coordination with the Professionals of the Educational Center
    - 1.10.4.1. Educational Professionals with whom the Speech-Language Pathologist coordinates with
    - 1.10.4.2. Basis for Coordination
    - 1.10.4.3. The Importance of Coordination in the Child's Development
  - 1.10.5. Consequences of the Child with Special Educational Needs in the Classroom

1.10.5.1. How the Child Communicates with Teachers and Students? 1.10.5.2. Psychological Consequences

- 1.10.6. School Needs of the Child
  - 1.10.6.1. Taking Educational Needs into Account in Intervention
  - 1.10.6.2. Who Determines the Child's Educational Needs?
  - 1.10.6.3. How Are They Established?

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- 1.10.7. Methodological bases for Classroom Intervention.
  - 1.10.7.1. Strategies to favor the child's Integration
- 1.10.8. Curricular Adaptation
  - 1.10.8.1. Concept of Curricular Adaptation
  - 1.10.8.2. Professionals who Apply it
  - 1.10.8.3. How does it benefit the child with Special Educational Needs?
- 1.10.9. Final Conclusions

#### Module 2. Dyslalias: Assessment, Diagnosis, and Intervention

- 2.1. Module Presentation
  - 2.1.1. Introduction
- 2.2. Introduction to Dyslalia
  - 2.2.1. What are Phonetics and Phonology? 2.2.1.1. Basic Concepts
    - 2.2.1.2. Phonemes
    - 2.2.2. Classification of Phonemes2.2.2.1. Preliminary Considerations2.2.2.2. According to the point of Articulation2.2.2.3. According to the mode of Articulation
  - 2.2.3. Speech Emission 2.2.3.1. Aspects of Sound Emission
    - 2.2.3.2. Mechanisms Involved in Speech
  - 2.2.4. Phonological Development2.2.4.1. The Implication of Phonological Awareness2.2.5. Organs Involved in Phoneme Articulation
    - 2.2.5.1. Breathing Organs
      - 2.2.5.2. Organs of Articulation
      - 2.2.5.3. Organs of Phonation
  - 2.2.6. Dyslalias 2.2.6.1. Etymology of the Term
    - 2.2.6.2. Concept of Dyslalia
  - 2.2.7. Adult Dyslalia
    - 2.2.7.1. Preliminary Considerations
    - 2.2.7.2. Characteristics of adult Dyslalia
    - 2.2.7.3. What is the difference between childhood Dyslalia and adult Dyslalia?

- 2.2.8. Comorbidity 2.2.8.1. Comorbidity in Dyslalia 2.2.8.2. Associated Disorders 2.2.9. Prevalence 2.2.9.1. Preliminary Considerations 2.2.9.2. The Prevalence of Dyslalia in the PreSchool Population 2.2.9.3. The Prevalence of Dyslalia in the School Population 2.2.10 Final Conclusions Etiology and Classification of Dyslalias 2.3.1. Etiology of Dyslalias 2.3.1.1. Preliminary Considerations 2.3.1.2. Poor Motor Skills 2.3.1.3. Respiratory Difficulties 2.3.1.4. Lack of Comprehension or Auditory Discrimination 2.3.1.5. Psychological Factors 2.3.1.6. Environmental Factors 2.3.1.7. Hereditary Factors 2.3.1.8. Intellectual Factors 2.3.2. Classification of Dyslalias according to Etiological Criteria 2.3.2.1. Organic Dyslalias 2.3.2.2. Functional Dyslalias 2.3.2.3. Developmental Dyslalias 2.3.2.4. Audiogenic Dyslalias 2.3.3. The classification of Dyslalias according to Chronological Criteria 2.3.3.1. Preliminary Considerations 2.3.3.2. Speech Delay 2.3.3.3. Dyslalia 2.3.4. Classification of Dyslalia according to the Phonological Process involved. 2.3.4.1. Simplification 2.3.4.2. Assimilation 2.3.4.3. Syllable Structure
- 2.3.5. Classification of Dyslalia based on Linguistic Level 2.3.5.1. Phonetic Dyslalia
  - 2.3.5.2. Phonological Dyslalia
  - 2.3.5.3. Mixed Dyslalia

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2.3.6. Classification of Dyslalia according to the Phoneme involved.

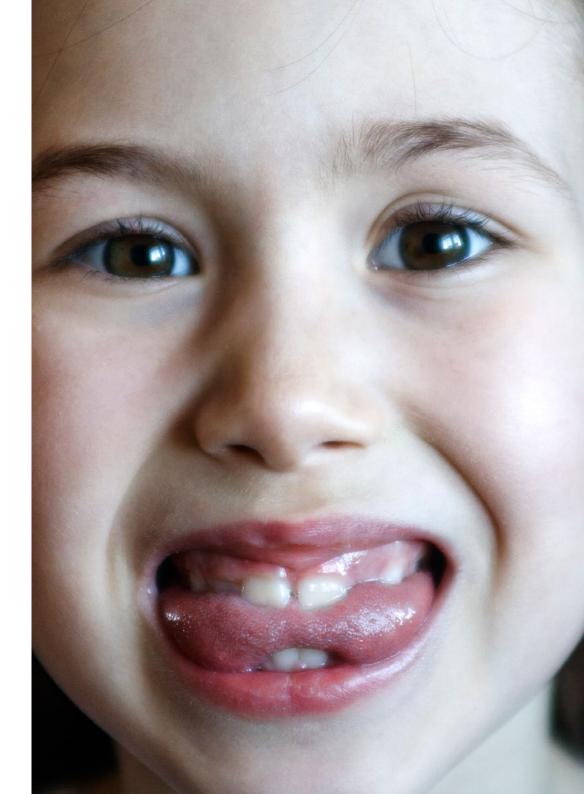
2.3.6.1. Hotentotism

- 2.3.6.2. Altered Phonemes
- 2.3.7. Classification of Dyslalia according to the number of errors and their persistence 2.3.7.1. Simple Dyslalia
  - 2.3.7.2. Multiple Dyslalias
  - 2.3.7.3. Speech Delay
- 2.3.8. The Classification of Dyslalias according to the type of error 2.3.8.1. Omission
  - 2.3.8.2. Addiction/Insertion
  - 2.3.8.3. Substitution
  - 2.3.8.4. Inversions
  - 2.3.8.5. Distortion
  - 2.3.8.6. Assimilation
- 2.3.9. Classification of Dyslalia in terms of Temporality 2.3.9.1. Permanent Dyslalias
  - 2.3.9.2. Transient Dyslalias
- 2.3.10. Final Conclusions
- 2.4. Assessment Processes for the Diagnosis and Detection of Dyslalia
  - 2.4.1. Introduction to the Structure of the Assessment Process
  - 2.4.2. Medical History
    - 2.4.2.1. Preliminary Considerations
    - 2.4.2.2. Content of the Anamnesis
    - 2.4.2.3. Aspects to emphasize of the Anamnesis
  - 2.4.3. Articulation
    - 2.4.3.1. In Spontaneous Language 2.4.3.2. In Repeated Speech
    - 2.4.3.3. In Directed Language
  - 2.4.4. Motor Skills
    - 2.4.4.1. Key Elements
    - 2.4.4.2. Orofacial Motor Skills
    - 2.4.4.3. Muscle Tone

- Auditory Perception and Discrimination 2.4.5. 2.4.5.1. Sound Discrimination 2452 Phoneme Discrimination 2.4.5.3. Word Discrimination 2.4.6. Speech Samples 2.4.6.1. Preliminary Considerations 2.4.6.2. How to Collect a Speech Sample? 2.4.6.3. How to make a record of the Speech Samples? 2.4.7. Standardized tests for the Diagnosis of Dyslalia 2.4.7.1. What are Standardized Tests? 2.4.7.2. Purpose of Standardized Tests 2.4.7.3. Classification 2.4.8. Non-Standardized Tests for the Diagnosis of Dyslalias 2.4.8.1. What are Non-Standardized Tests? 2.4.8.2. Purpose of Non-Standardized Tests
  - 2.4.8.3. Classification
- 2.4.9. Differential Diagnosis of Dyslalia
- 2.4.10. Final Conclusions
- 2.5. User-Centered Speech-Language Pathology Intervention
  - 2.5.1. Introduction to Unit
  - 2.5.2. How to Set Goals During the Intervention?
    - 2.5.2.1. General Considerations
    - 2.5.2.2. Individualized or Group Intervention, Which is More Effective?
    - 2.5.2.3. Specific objectives that the Speech-Language Pathologist has to take into account for the Intervention of each Dyslalia
  - 2.5.3. Structure to be Followed During Dyslalia Intervention
    - 2.5.3.1. Initial Considerations
    - 2.5.3.2. What is the Order of Intervention for Dyslalia?
    - 2.5.3.3. In Multiple Dyslalia, which Phoneme would the Speech-Language Pathologist start working on and what would be the reason?
  - 2.5.4. Direct Intervention in Children with Dyslalia
    - 2.5.4.1. Concept of Direct Intervention
    - 2.5.4.2. Who is the Focus of this Intervention?
    - 2.5.4.3. The importance of Direct Intervention for Dyslexic Children

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	2.5.5.	Indirect Intervention for Children with Dyslalia 2.5.5.1. Concept of Indirect Intervention	
		2.5.5.2. Who is the Focus of this Intervention?	
		2.5.5.3. The importance of Carrying Out Indirect Intervention in Dyslexic Children	
	2.5.6.	The Importance of Play During Rehabilitation	
		2.5.6.1. Preliminary Considerations	
		2.5.6.2. How to Use Games for Rehabilitation?	
		2.5.6.3. Adaptation of Games to Children, Necessary or Not?	
	2.5.7.	Auditory Discrimination	
		2.5.7.1. Preliminary Considerations	
		2.5.7.2. Concept of Auditory Discrimination	
		2.5.7.3. When is the right time during the Intervention to include Auditory Discrimination?	
	2.5.8.	Making a Schedule	
		2.5.8.1. What is a Schedule?	
		2.5.8.2. Why Should a Schedule be Used in the Speech Therapy Intervention of the Dyslexic Child?	
		2.5.8.3. Benefits of Making a Schedule	
	2.5.9.	Requirements to Justify Discharge	
	2.5.10.	Final Conclusions	
2.6.	The Family as a Part of the Intervention of the Dysbalic Child		
	2.6.1.	Introduction to Unit	
	2.6.2.	Communication Problems with the Family Environment	
		2.6.2.1. What Difficulties does the Dyslexic Child Encounter in their Family Environment to Communicate?	
	2.6.3.	Consequences of Dyslalias in the Family	
		2.6.3.1. How do Dyslalias Influence the Child in their Home?	
		2.6.3.2. How do Dyslalias Influence the Child's Family?	
	2.6.4.	Family Involvement in the Development of the Dyslalic Child.	
		2.6.4.1. The Importance of the Family in the Child's Development	
		2.6.4.2. How to Involve the Family in the Intervention?	
	2.6.5.	Recommendations for the Family Environment	
		2.6.5.1. How to Communicate with the Dyslexic Child?	
		2.6.5.2. Tips to Benefit the Relationship in the Home	



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- 2.6.6. Benefits of Involving the Family in the Intervention2.6.6.1. The Fundamental Role of the Family in Generalization2.6.6.2. Tips for Helping the Family Achieve Generalization
- 2.6.7. The Family as the Center of the Intervention2.6.7.1. Supports That Can be Provided to the Family2.6.7.2. How to Facilitate these Aids During the Intervention?
- 2.6.8. Family Support to the Dyslalic Child2.6.8.1. Preliminary Considerations2.6.8.2. Teaching Families how to Reinforce the Dyslexic child
- 2.6.9. Resources Available to Families
- 2.6.10. Final Conclusions
- 2.7. The School Context as Part of the Dyslalic Child's Intervention
  - 2.7.1. Introduction to Unit
  - 2.7.2. The involvement of the School During the Intervention Period2.7.2.1. The Importance of the Involvement of the School2.7.2.2. The Influence of the School on Speech Development
  - 2.7.3. The Impact of Dyslalias in the School Context 2.7.3.1. How Can Dyslalias Influence the Curriculum?
  - 2.7.4. School Supports
    - 2.7.4.1. Who Provides Them?
    - 2.7.4.2. How Are They Carried Out?
  - 2.7.5. The coordination of the Speech Therapist with the School Professionals2.7.5.1. With Whom Does the Coordination Take Place?2.7.5.2. Guidelines to Be Followed to Achieve Such Coordination
  - 2.7.6. Consequences in Class of the Dyslalic Child 2.7.6.1. Communication with Classmates
    - 2.7.6.2. Communication with Teachers
    - 2.7.6.3. Psychological Repercussions of the Child
  - 2.7.7. Orientations2.7.7.1. Guidelines for the School, to Improve the Child's Intervention
  - 2.7.8. The School as an Enabling Environment
    - 2.7.8.1. Preliminary Considerations
    - 2.7.8.2. Classroom Care Guidelines
    - 2.7.8.3. Guidelines for improving Classroom Articulation
  - 2.7.9. Resources Available to the School
  - 2.7.10. Final Conclusions

- 2.8. Bucco-phonatory Praxias
  - 2.8.1. Introduction to Unit
  - 2.8.2. The Praxias
    - 2.8.2.1. Concept of Praxias
    - 2.8.2.2. Types of Praxias
      - 2.8.2.2.1. Ideomotor Praxias
      - 2.8.2.2.2. Ideational Praxias
      - 2.8.2.2.3. Facial Praxias
      - 2.8.2.2.4. Visoconstructive Praxias
    - 2.8.2.3. Classification of Praxias According to Intention (Junyent Fabregat, 1989) 2.8.2.3.1. Transitive Intention
      - 2.8.2.3.2. Aesthetic Purpose
      - 2.8.2.3.3. With Symbolic Character
  - 2.8.3. Frequency of the Performance of Orofacial Praxias.
  - 2.8.4. What Praxias are used in the Speech Therapy Intervention of Dyslalia?
    2.8.4.1. Labial Praxias
    2.8.4.2. Lingual Praxias
    2.8.4.3. Velum of Palate Praxias
    - 2.8.4.4. Other Praxias
  - 2.8.5. Aspects that the Child Must Have to Be Able to Perform the Praxias
  - 2.8.6. Activities for the Realization of the Different Facial Praxias
    2.8.6.1. Exercises for the Labial Praxias
    2.8.6.2. Exercises for the Lingual Praxias
    2.8.6.3. Exercises for Soft Palate Praxias
    2.8.6.4. Other Exercises
  - 2.8.7. Current Controversy over the use of Orofacial Praxias
  - 2.8.8. Theories in favor of the use of Praxias in the Intervention of the Dyslexic Child2.8.8.1. Preliminary Considerations2.8.8.2. Scientific Evidence
    - 2.8.8.3. Comparative Studies
  - 2.8.9. Theories against the realization of Praxias in the intervention of the Dyslexic Child2.8.9.1. Preliminary Considerations2.8.9.2. Scientific Evidence
    - 2.8.9.3. Comparative Studies
  - 2.8.10. Final Conclusions

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- 2.9. Materials and Resources for the Speech Therapy Intervention of Dyslalia: Part I
  - 2.9.1. Introduction to Unit
  - 2.9.2. Materials and Resources for the Correction of the Phoneme /p/ in All Positions 2.9.2.1. Self-Made Material
    - 2.9.2.2. Commercially Available Material
    - 2.9.2.3. Technological Resources
  - 2.9.3. Materials and Resources for the Correction of the Phoneme /s/ in All Positions 2.9.3.1. Self-Made Material
    - 2.9.3.2. Commercially Available Material
    - 2.9.3.3. Technological Resources
  - 2.9.4. Materials and Resources for the Correction of the Phoneme /r/ in All Positions 2.9.4.1. Self-Made Material
    - 2.9.4.2. Commercially Available Material
    - 2.9.4.3. Technological Resources
  - 2.9.5. Materials and Resources for the Correction of the Phoneme /l/ in All Positions 2.9.5.1. Self-Made Material
    - 2.9.5.2. Commercially Available Material
    - 2.9.5.3. Technological Resources
  - 2.9.6. Materials and Resources for the Correction of the Phoneme /m/ in All Positions 2.9.6.1. Self-Made Material
    - 2.9.6.2. Commercially Available Material
    - 2.9.6.3. Technological Resources
  - 2.9.7. Materials and Resources for the Correction of the Phoneme /n/ in All Positions 2.9.7.1. Self-Made Material
    - 2.9.7.2. Commercially Available Material
    - 2.9.7.3. Technological Resources
  - 2.9.8. Materials and Resources for the Correction of the Phoneme /d/ in All Positions 2.9.8.1. Self-Made Material
    - 2.9.8.2. Commercially Available Material
    - 2.9.8.3. Technological Resources
  - 2.9.9. Materials and Resources for the Correction of the Phoneme /z/ in All Positions2.9.9.1. Self-Made Material2.9.9.2. Commercially Available Material
    - 2.9.9.3. Technological Resources

- 2.9.10. Materials and Resources for the Correction of the Phoneme /k/ in All Positions2.9.10.1. Self-Made Material2.9.10.2. Commercially Available Material
  - 2.9.10.3. Technological Resources
- 2.10. Materials and Resources for the Speech Therapy Intervention of Dyslalia: Part II
  - 2.10.1. Materials and Resources for the Correction of the Phoneme /f/ in All Positions2.10.1.1. Self-Made Material2.10.1.2. Commercially Available Material
    - 2.10.1.3. Technological Resources
  - 2.10.2. Materials and Resources for the Correction of the Phoneme /ñ/ in All Positions
     2.10.2.1. Self-Made Material
     2.10.2.2. Commercially Available Material
    - 2.10.2.3. Technological Resources
  - 2.10.3. Materials and Resources for the correction of the Phoneme /g/ in All Positions2.10.3.1. Self-Made Material2.10.3.2. Commercially Available Material
    - 2.10.3.3. Technological Resources
  - 2.10.4. Materials and Resources for the Correction of the Phoneme /II/ in All Positions2.10.4.1. Self-Made Material2.10.4.2. Commercially Available Material
    - 2.10.4.3. Technological Resources
  - 2.10.5. Materials and Resources for the Correction of the Phoneme /b/ in All Positions
    2.10.5.1. Self-Made Material
    2.10.5.2. Commercially Available Material
    - 2.10.5.2. Commercially Available Material
    - 2.10.5.3. Technological Resources
  - 2.10.6. Materials and Resources for the Correction of the Phoneme /t/ in All Positions 2.10.6.1. Self-Made Material
    - 2.10.6.2. Commercially Available Material
    - 2.10.6.3. Technological Resources
  - 2.10.7. Materials and Resources for the Correction of the Phoneme /ch/ in All Positions2.10.7.1. Self-Made Material2.10.7.2. Commercially Available Material
    - 2.10.7.3. Technological Resources

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2.10.8. Materials and Resources for the Correction of the Phoneme /l/ in All Positions

2.10.8.1. Self-Made Material

2.10.8.2. Commercially Available Material

- 2.10.8.3. Technological Resources
- 2.10.9. Materials and Resources for the Correction of the Phoneme /r/ in All Positions
  - 2.10.9.1. Self-Made Material
  - 2.10.9.2. Commercially Available Material
  - 2.10.9.3. Technological Resources
- 2.10.10. Final Conclusions

#### Module 3. Dyslexia: Assessment, Diagnosis, and Intervention

- 3.1. Basic Fundamentals of Reading and Writing
  - 3.1.1. Introduction
  - 3.1.2. The Brain
    - 3.1.2.1. Anatomy of the Brain
    - 3.1.2.2. Brain Function
  - 3.1.3. Methods of Brain Scanning
    - 3.1.3.1. Structural Imaging
      - 3.1.3.2. Functional Imaging
      - 3.1.3.3. Stimulation Imaging
  - 3.1.4. Neurobiological Basis of Reading and Writing
    - 3.1.4.1. Sensory Processes
      - 3.1.4.1.1. The Visual Component
      - 3.1.4.1.2. The Auditory Component
    - 3.1.4.2. Reading Processes
      - 3.1.4.2.1. Reading Decoding
      - 3.1.4.2.2. Reading Comprehension
    - 3.1.4.3. Writing Processes
      - 3.1.4.3.1. Written Coding
      - 3.1.4.3.2. Syntactic Construction
      - 3.1.4.3.3. Planning
      - 3.1.4.3.4. The Act of Writing

- 3.1.5. Psycholinguistic Processing of Reading and Writing
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    - 3.1.5.1.1. The Visual Component
    - 3.1.5.1.2. The Auditory Component
  - 3.1.5.2. Reading Process
    - 3.1.5.2.1. Reading Decoding
    - 3.1.5.2.2. Reading Comprehension
  - 3.1.5.3. Writing Processes
    - 3.1.5.3.1. Written Coding
    - 3.1.5.3.2. Syntactic Construction
    - 3.1.5.3.3. Planning
    - 3.1.5.3.4. The Act of Writing
- 3.1.6. The Dyslexic Brain in the Light of Neuroscience
- 3.1.7. Laterality and Reading 3.1.7.1. Reading with the Hands
  - 3.1.7.2. Handedness and Language
- 3.1.8. Integration of the Outside World and Reading 3.1.8.1. Attention
  - 3.1.8.2. Memory
  - 3.1.8.3. Emotions
- 3.1.9. Chemical Mechanisms Involved in Reading3.1.9.1. Neurotransmitters3.1.9.2. Limbic System
- 3.1.10. Conclusions and Appendices
- 3.2. Talking and Organizing Time and Space for Reading
  - 3.2.1. Introduction
  - 3.2.2. Communication.
    - 3.2.2.1. Oral Language
    - 3.2.2.2. Written Language
  - 3.2.3. Relationship between Oral Language and Written Language 3.2.3.1. Syntactic Aspects
    - 3.2.3.2. Semantic Aspects
    - 3.2.3.3. Phonological Aspects
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    - 3.2.4.1. Language, Speech, and Writing

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	3.2.5.	Develop Speech
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		3.2.5.2. Linguistic prerequisites for Reading
	3.2.6.	Recognize the structures of Written Language
		3.2.6.1. Recognize the Word
		3.2.6.2. Recognize the Sequential Organization of the Sentence
		3.2.6.3. Recognize the meaning of Written Language
	3.2.7.	Structure Time
		3.2.7.1. Organizing Time
	3.2.8.	Structuring Space
		3.2.8.1. Spatial Perception and Organization
	3.2.9.	Reading Strategies and their Learning
		3.2.9.1. Logographic Stage and Global Method
		3.2.9.2. Alphabetic Stage
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	3.2.10.	Conclusions and Appendices
3.3.	Dyslexia	a
	3.3.1.	Introduction
	3.3.2.	Brief History of the Term Dyslexia
		3.3.2.1. Chronology
		3.3.2.2. Different Terminological Meanings
	3.3.3.	Conceptual Approach
		3.3.3.1. Dyslexia
		3.3.3.1.1. WHO Definition
		3.3.3.1.2. DSM-IV Definition
		3.3.3.1.3. DSM-V Definition
	3.3.4.	Other Related Concepts
		3.3.4.1. Conceptualization of Dysgraphia
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3.3.5. Etiology 3.3.5.1. Explanatory Theories of Dyslexia 3.3.5.1.1. Genetic Theories 3.3.5.1.2. Neurobiological Theories 3.3.5.1.3. Linguistic Theories 3.3.5.1.4. Phonological Theories 3.3.5.1.5. Visual Theories 3.3.6. Types of Dyslexia 3.3.6.1. Phonological Dyslexia 3.3.6.2. Lexical Dyslexia 3.3.6.3. Mixed Dyslexia 3.3.7. Comorbidities and Strengths 3.3.7.1. ADD or ADHD 3.3.7.2. Dyscalculia 3.3.7.3. Dysgraphia 3.3.7.4. Visual Stress Syndrome 3.3.7.5. Crossed Laterality 3.3.7.6. High Abilities 3.3.7.7. Strengths 3.3.8. The Person with Dyslexia 3.3.8.1. The Child with Dyslexia 3.3.8.2. The Adolescent with Dyslexia 3.3.8.3. The Adult with Dyslexia 3.3.9. Psychological Repercussions 3.3.9.1. The Feeling of Injustice 3.3.10. Conclusions and Appendices 3.4. How to Identify the Person with Dyslexia? 3.4.1. Introduction 3.4.2. Warning Signs 3.4.2.1. Warning Signs in Early Childhood Education 3.4.2.2. Warning Signs in Primary Education

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- 3.4.3. Frequent Symptomatology
  - 3.4.3.1. General Symptomatology
  - 3.4.3.2. Symptomatology by Stages
    - 3.4.3.2.1. Infant Stage
    - 3.4.3.2.2. School Stage
    - 3.4.3.2.3. Adolescent Stage
    - 3.4.3.2.4. Adult Stage
- 3.4.4. Specific Symptomatology
  - 3.4.4.1. Dysfunctions in Reading
    - 3.4.4.1.1. Dysfunctions in the Visual Component
    - 3.4.4.1.2. Dysfunctions in the Decoding Processes
    - 3.4.4.1.3. Dysfunctions in Comprehension Processes
  - 3.4.4.2. Dysfunctions in Writing
    - 3.4.4.2.1. Dysfunctions in the Oral-Written Language Relationship
    - 3.4.4.2.2. Dysfunction in the Phonological Component
    - 3.4.4.2.3. Dysfunction in the Encoding Processes
    - 3.4.4.2.4. Dysfunction in Syntactic Construction Processes
    - 3.4.4.2.5. Dysfunction in Planning
  - 3.4.4.3. Motor Processes
    - 3.4.4.3.1. Visuoperceptive Dysfunctions
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- 3.4.5. Dyslexia Profiles
  - 3.4.5.1. Phonological Dyslexia Profile 3.4.5.2. Lexical Dyslexia Profile
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- 3.4.6. Dysgraphia Profiles
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  - 3.5.6. Evaluation of the Oral-Written Language Relationship3.5.6.1. Lexical Awareness3.5.6.2. Representational Written Language

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- 3.5.7. Other Aspects to be Assessed
  - 3.5.7.1. Chromosomal Assessments
  - 3.5.7.2. Neurological Assessments
  - 3.5.7.3. Cognitive Assessments
  - 3.5.7.4. Motor Assessments
  - 3.5.7.5. Visual Assessments
  - 3.5.7.6. Linguistic Assessments
  - 3.5.7.7. Emotional Appraisals
  - 3.5.7.8. School Ratings
- 3.5.8. Standardized Tests and Evaluation Tests 3.5.8.1. TALE
  - 3.5.8.2. PROLEC
  - 3.5.8.3. DST-J Dyslexia
  - 3.5.8.4. Other Tests
- 3.5.9.The Dytective Test3.5.9.1. Contents
  - 3.5.9.2. Experimental Methodology
  - 3.5.9.3. Summary of Results
- 3.5.10. Conclusions and Appendices
- 3.6. Intervention in Dyslexia
  - 3.6.1. General Aspects of Intervention
  - 3.6.2. Selection of objectives based on the Diagnosed Profile 3.6.2.1. Analysis of Collected Samples
  - 3.6.3. Prioritization and Sequencing of Targets3.6.3.1. Neurobiological Processing3.6.3.2. Psycholinguistic Processing
  - 3.6.4. Adequacy of the Objectives to the Contents to be worked on.3.6.4.1. From the Specific Objective to the Content
  - 3.6.5. Proposal of Activities by Intervention Area
    3.6.5.1. Proposals based on the Visual Component
    3.6.5.2. Proposals based on the Phonological Component
    3.6.5.3. Proposals based on Reading Practice
  - 3.6.6.Programs and Tools for Intervention3.6.6.1. Orton-Gillingham Method3.6.6.2. ACOS Program

3.6.7. Standardized Materials for Intervention 3.6.7.1. Printed Materials 3.6.7.2. Other Materials 3.6.8. Space Organization 3.6.8.1. Lateralization 3.6.8.2. Sensory Modalities 3.6.8.3. Eye Movements 3.6.8.4. Visuoperceptual Skills 3.6.8.5. Fine Motor Skills 3.6.9. Necessary Adaptations in the Classroom 3.6.9.1. Curricular Adaptations 3.6.10. Conclusions and Appendices 3.7. From Traditional to Innovative. New Approach 371 Introduction 3.7.2. Traditional Education 3.7.2.1. Brief Description of Traditional Education 3.7.3. Current Education 3.7.3.1. The Education of Our Days 3.7.4. Process of Change 3.7.4.1. Educational Change. From Challenge to Reality 3.7.5. Teaching Methodology 3.7.5.1. Gamification 3.7.5.2. Project-Based Learning 3753 Others Changes in the Development of the Intervention Sessions 3.7.6. 3.7.6.1. Applying the New Changes in Speech Therapy Intervention 3.7.7. Proposal of Innovative Activities 3.7.7.1. "My Logbook" 3.7.7.2. The Strengths of Each Student 3.7.8. Development of Materials 3.7.8.1. General Tips and Guidelines 3.7.8.2. Adaptation of Materials 3.7.8.3. Creating our Own Intervention Material



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	3.7.9.	The Use of Current Intervention Tools
		3.7.9.1. Android and iOS Operating System Applications
		3.7.9.2. The Use of Computers
		3.7.9.3. Digital Whiteboard
	3.7.10.	Conclusions and Appendices
3.8.	-	ies and Personal Development of the Person with Dyslexia
	3.8.1.	Introduction
	3.8.2.	Study Strategies
		3.8.2.1. Study Techniques
	3.8.3.	Organization and Productivity
		3.8.3.1. The Pomodoro Technique
	3.8.4.	Tips on How to Face an Exam
	3.8.5.	Language Learning Strategies
		3.8.5.1. First Language Assimilation
		3.8.5.2. Phonological and Morphological Awareness
		3.8.5.3. Visual Memory
		3.8.5.4. Comprehension and Vocabulary
		3.8.5.5. Linguistic Immersion
		3.8.5.6. Use of ICT
		3.8.5.7. Formal Methodologies
	3.8.6.	Development of Strengths
		3.8.6.1. Beyond the Person with Dyslexia
	3.8.7.	Improving Self-concept and Self-esteem
		3.8.7.1. Social Skills
	3.8.8.	Eliminating Myths
		3.8.8.1. Student with Dyslexia. I Am Not lazy
		3.8.8.2. Other Myths
	3.8.9.	Famous People with Dyslexia
		3.8.9.1. Well-known People with Dyslexia
		3.8.9.2. Real Testimonials
	3.8.10.	Conclusions and Appendices

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3.9.	Guidelir	nes
	3.9.1.	Introduction
	3.9.2.	Guidelines for the Person with Dyslexia
		3.9.2.1. Coping with the Diagnosis
		3.9.2.2. Guidelines for Daily Living
		3.9.2.3. Guidelines for the Person with Dyslexia as a Learner
	3.9.3.	Guidelines for the Family Environment
		3.9.3.1. Guidelines for Collaborating in the Intervention
		3.9.3.2. General Guidelines
	3.9.4.	Guidelines for the Educational Context
		3.9.4.1. Adaptations
		3.9.4.2. Measures to be taken to facilitate the Acquisition of Content
		3.9.4.3. Guidelines to be Followed to Pass Exams
	3.9.5.	Specific Guidelines for Foreign Language Teachers
		3.9.5.1. The Challenge of Language Learning
	3.9.6.	Guidelines for other Professionals
	3.9.7.	Guidelines for the Form of Written Texts
		3.9.7.1. Typography
		3.9.7.2. Font Size
		3.9.7.3. Colors
		3.9.7.4. Character, Line, and Paragraph Spacing
	3.9.8.	Guidelines for Text Content
		3.9.8.1. Frequency and Length of Words
		3.9.8.2. Syntactic Simplification
		3.9.8.3. Numerical Expressions
		3.9.8.4. The Use of Graphical Schemes
		Writing Technology
		Conclusions and Appendices
3.10.	The Spe	eech-Language Pathologist's Report on Dyslexia
		Introduction
	3.10.2.	The Reason for the Evaluation
		3.10.2.1. Family Referral or Request
	3.10.3.	The Interview
		3.10.3.1. The Family Interview
		3.10.3.2. The School Interview

- 3.10.4. The History
  3.10.4.1. Clinical History and Evolutionary Development
  3.10.4.2. Academic History
  3.10.5. The Context
  - 3.10.5.1. The Social Context
  - 3.10.5.2. The Family Context
- 3.10.6. Assessments
  - 3.10.6.1. Psycho-Pedagogical Assessment
  - 3.10.6.2. Speech Therapy Assessment
  - 3.10.6.3. Other Assessments
- 3.10.7. The Results
  - 3.10.7.1. Logopedic Evaluation Results
  - 3.10.7.2. Results of Other Assessments
- 3.10.8. Conclusions
  - 3.10.8.1. Diagnosis
- 3.10.9. Intervention Plan
  - 3.10.9.1. The Needs
  - 3.10.9.2. The Speech Therapy Intervention Program
- 3.10.10. Conclusions and Appendices

#### Module 4. Specific Language Disorder

- 4.1. Background Information
  - 4.1.1. Module Presentation
  - 4.1.2. Module Objectives
  - 4.1.3. Historical Evolution of SLD
  - 4.1.4. Late Language Onset vs. SLD SLD
  - 4.1.5. Differences between SLD and Language Delay
  - 4.1.6. Difference between ASD and SLD
  - 4.1.7. Specific Language Disorder vs. Aphasia
  - 4.1.8. SLD as a predecessor of Literacy Disorders
  - 4.1.9. Intelligence and Specific Language Disorder
  - 4.1.10. Prevention of Specific Language Disorder

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- 4.2. Approach to the Specific Language Disorder
  - 4.2.1. Definition of SLD
  - 4.2.2. General Characteristics of SLD
  - 4.2.3. Prevalence of SLD
  - 4.2.4. Prognosis of SLD
  - 4.2.5. Etiology of SLD
  - 4.2.6. Clinically based classification of SLD
  - 4.2.7. Empirically based classification of SLD
  - 4.2.8. Empirical-clinical based Classification of SLD
  - 4.2.9. Comorbidity of SLD
  - 4.2.10. SLD, Not Only a Difficulty in the Acquisition and Development of Language
- 4.3. Linguistic Characteristics in Specific Language Disorder
  - 4.3.1. Concept of Linguistic Capabilities
  - 4.3.2. General Linguistic Characteristics
  - 4.3.3. Linguistic Studies in SLD in Different Languages
  - 4.3.4. General Alterations in Language Skills Presented by People with SLD
  - 4.3.5. Grammatical Characteristics in SLD
  - 4.3.6. Narrative Features in SLD
  - 4.3.7. Pragmatic Features in SLD
  - 4.3.8. Phonetic and Phonological Features in SLD
  - 4.3.9. Lexical Features in SLD
  - 4.3.10. Preserved Language Skills in SLD
- 4.4. Terminological Change
  - 4.4.1. Changes in the Terminology of SLD
  - 4.4.2. Classification According to DSM
  - 4.4.3. Changes Introduced in the DSM
  - 4.4.4. Consequences of Changes in Classification with the DSM.
  - 4.4.5. New Nomenclature: Language Disorder
  - 4.4.6. Characteristics of Language Disorder
  - 4.4.7. Main Differences and Concordances between SLD and SL
  - 4.4.8. Altered Executive Functions in SLD
  - 4.4.9. Preserved Executive Functions in SL
  - 4.4.10. Detractors of Terminology Change

- 4.5. Assessment in Specific Language Disorder
  - 4.5.1. Speech-Language Evaluation: Prior Information
  - 4.5.2. Early identification of SLD: Prelinguistic Predictors
  - 4.5.3. General Considerations to take into account in the Speech Therapy Evaluation of SLD
  - 4.5.4. Principles of Evaluation in Cases of SLD
  - 4.5.5. The Importance and Objectives of Speech-Language Pathology Assessment in SLD
  - 4.5.6. Evaluation Process of SLD
  - 4.5.7. Assessment of Language, Communicative Skills and Executive Functions in SLD
  - 4.5.8. Evaluation Instrument of SLD
  - 4.5.9. Interdisciplinary Evaluation
  - 4.5.10. Diagnosis of TEL
- 4.6. interventions in Specific Language Disorder
  - 4.6.1. The Speech Therapy Intervention
  - 4.6.2. Basic Principles of Speech Therapy Intervention
  - 4.6.3. Environments and Agents of intervention in SLD
  - 4.6.4. Intervention Model in Levels
  - 4.6.5. Early Intervention in SLD
  - 4.6.6. Importance of Intervention in SLD
  - 4.6.7. Music Therapy in the intervention of SLD
  - 4.6.8. Technological Resources in the Intervention of SLD
  - 4.6.9. Intervention in the Executive Functions in SLD
  - 4.6.10. Multidisciplinary Intervention in SLD
- 4.7. Elaboration of a Speech Therapy Intervention Program for Children with Specific Language Disorder
  - 4.7.1. Speech Therapy Intervention Program
  - 4.7.2. Approaches on SLD to Design an Intervention Program
  - 4.7.3. Objectives and Strategies of SLD Intervention Programs
  - 4.7.4. Indications to Follow in the Intervention of Children with SLD
  - 4.7.5. Comprehension Treatment
  - 4.7.6. Treatment of Expression in cases of SLD
  - 4.7.7. Intervention in Reading and Writing
  - 4.7.8. Social Skills Training in SLD
  - 4.7.9. Agents and Timing of Intervention in Cases of SLD
  - 4.7.10. SAACs in the Intervention in Cases of SLD

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4.8. The School in Cases of Specific Language Disorder

- 4.8.1. The School in Child Development
- 4.8.2. School Consequences in Children with SLD
- 4.8.3. Schooling of Children with SLD
- 4.8.4. Aspects to Take into Account in School Intervention
- 4.8.5. Objectives of School Intervention in cases of SLD
- 4.8.6. Guidelines and Strategies for Classroom Intervention with children with SLD
- 4.8.7. Development and Intervention in Social Relationships within the School
- 4.8.8. Dynamic Playground Program
- 4.8.9. The School and the Relationship with other Intervention Agents.
- 4.8.10. Observation and Monitoring of School Intervention
- 4.9. The Family and its Intervention in Cases of Children with Specific Language Disorder
  - 4.9.1. Consequences of SLD in the Family Environment
  - 4.9.2. Family Intervention Models
  - 4.9.3. General Considerations to be Taken into Account
  - 4.9.4. The importance of Family Intervention in SLD
  - 4.9.5. Family Orientations
  - 4.9.6. Communication Strategies for the Family
  - 4.9.7. Needs of Families of Children with SLD
  - 4.9.8. The Speech Therapist in the Family Intervention
  - 4.9.9. Objectives of the Family Speech Therapy Intervention in the SLD
  - 4.9.10. Follow-up and Timing of the Family Intervention in SLD
- 4.10. Associations and Support Guides for Families and Schools of Children with SLD
  - 4.10.1. Parent Associations
  - 4.10.2. Information Guides
  - 4.10.3. AVATEL
  - 4.10.4. ATELMA
  - 4.10.5. ATELAS
  - 4.10.6. ATELCA
  - 4.10.7. ATEL CLM
  - 4.10.8. Other Associations
  - 4.10.9. SLD Guides Aimed at the Educational Field
  - 4.10.10. SLD Guides and Manuals Aimed at the Family Environment

#### Module 5. Understanding Autism

- 5.1. Temporal Development in its Definition
  - 5.1.1. Theoretical Approaches to ASD 5.1.1.1. Early Definitions
    - 5.1.1.2. Evolution Throughout History
  - 5.1.2. Current Classification of Autism Spectrum Disorder5.1.2.1. Classification According to DSM-IV5.1.2.2. DSM-V Definition
  - 5.1.3. Table of Disorders Pertaining to ASD5.1.3.1. Autism Spectrum Disorder
    - 5.1.3.2. Asperger's Disorder
    - 5.1.3.3. Rett's Disorder
    - 5.1.3.4. Childhood Disintegrative Disorder
    - 5.1.3.5. Pervasive Developmental Disorders
  - 5.1.4. Comorbidity with other Pathologies
    5.1.4.1. ASD and ADHD (Attention and/or Hyperactivity Disorder).
    5.1.4.2. ASD AND HF (High Functioning)
    - 5.1.4.2. ASD AND HF (High Functioning)
    - 5.1.4.3. Other Pathologies of Lower Associated Percentage
  - 5.1.5. Differential Diagnosis of Autism Spectrum Disorder
    - 5.1.5.1. Non-Verbal Learning Disorder.
    - 5.1.5.2. NPDD (Perturbing Disorder Not Predetermined)
    - 5.1.5.3. Schizoid Personality Disorder
    - 5.1.5.4. Affective and Anxiety Disorders
    - 5.1.5.5. Tourette's Disorder
    - 5.1.5.6. Representative Table of Specified Disorders
  - 5.1.6. Theory of Mind
    - 5.1.6.1. The Senses
    - 5.1.6.2. Perspectives
    - 5.1.6.3. False Beliefs
    - 5.1.6.4. Complex Emotional States
  - 5.1.7. Weak Central Coherence Theory
    - 5.1.7.1. Tendency of Children with ASD to Focus their Attention on Details in Relation to the Whole
    - 5.1.7.2. First Theoretical Approach (Frith, 1989)
    - 5.1.7.3. Central Coherence Theory Today (2006)

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5.1.8. Theory of Executive Dysfunction

5.1.8.1. What Do We Know as "Executive Functions"?

- 5.1.8.2. Planning
- 5.1.8.3. Cognitive Flexibility
- 5.1.8.4. Response Inhibition
- 5.1.8.5. Mentalistic Skills
- 5.1.8.6. Sense of Activity
- 5.1.9. Systematization Theory
  - 5.1.9.1. Explanatory Theories put Forward by Baron-Cohen, S
  - 5.1.9.2. Types of Brain
  - 5.1.9.3. Empathy Quotient (EQ)
  - 5.1.9.4. Systematization Quotient (SQ)
  - 5.1.9.5. Autism Spectrum Quotient (ASQ)
- 5.1.10. Autism and Genetics
  - 5.1.10.1. Potential Causes of the Disorder
  - 5.1.10.2. Chromosomopathies and Genetic Alterations
  - 5.1.10.3. Repercussions on Communication
- 5.2. Detection
  - 5.2.1. Main Indicators in Early Detection
    - 5.2.1.1. Warning Signs
    - 5.2.1.2. Warning Signs
  - 5.2.2. Communicative Domain in Autism Spectrum Disorder
    - 5.2.2.1. Aspects to take into Account
    - 5.2.2.2. Warning Signs
  - 5.2.3. Sensorimotor Area
    - 5.2.3.1. Sensory Processing
    - 5.2.3.2. Dysfunctions in Sensory Integration
  - 5.2.4. Social Development5.2.4.1. Persistent Difficulties in Social Interaction5.2.4.2. Restricted Patterns of Behavior
  - 5.2.5. Evaluation Process
    - 5.2.5.1. Developmental Scales
    - 5.2.5.2. Tests and Questionnaires for Parents
    - 5.2.5.3. Standardized Tests for Evaluation by the Professional

5.2.6. Data Collection 5.2.6.1. Instruments Used for Screening 5.2.6.2. Case Studies M-CHAT 5.2.6.3. Standardized Tests 5.2.7. In-session Observation 5.2.7.1. Aspects to Take into Account within the Session 5.2.8. Final Diagnosis 5.2.8.1. Procedures to be Followed 5.2.8.2. Proposed Therapeutic Plan 5.2.9. Preparation of the Intervention Process 5.2.9.1. Strategies for Intervention on ASD in Early Care 5.2.10. Scale for the Detection of Asperger's Syndrome 5.2.10.1. Stand-alone Scale for the Detection of Asperger Syndrome and High-Functioning Autism (HF) Identification of Specific Difficulties 5.3.1. Protocol to Be Followed 5.3.1.1. Factors to Consider 5.3.2. Needs Assessment Based on Age and Developmental Level 5.3.2.1. Protocol for Screening from 0 to 3 Years of Age 5.3.2.2. M-CHAT-R Questionnaire. (16-30 months) 5.3.2.3. Follow-up Interview M-CHAT-R/F 5.3.3. Fields of Intervention 5.3.3.1. Evaluation of the Effectiveness of Psychoeducational Intervention 5332 Clinical Practice Guideline Recommendations 5333 Main Areas of Potential Work 5.3.4. Cognitive Area 5.3.4.1. Mentalistic Skills Scale 5.3.4.2. What Is It? How Do We Apply this Scale in ASD? 5.3.5 Communication Area 5351 Communication Skills in ASD 5.3.5.2. We Identify the Demand Based on Developmental Level 5.3.5.3. Comparative Tables of Development with ASD and Normotypical

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- 5.3.6. Eating Disorders
  - 5.3.6.1. Intolerance Chart 5.3.6.2. Aversion to Textures
  - 5.3.6.3. Eating Disorders in ASD
- 5.3.7. Social Area5.3.7.1. SCERTS (Social-Communication, Emotional Regulation, and Transactional Support)
- 5.3.8. Personal Autonomy 5.3.8.1. Daily Living Therapy
- 5.3.9. Competency Assessment
  - 5.3.9.1. Strengths
  - 5.3.9.2. Reinforcement-Based Intervention
- 5.3.10. Specific Intervention Programs 5.3.10.1. Case Studies and their Results 5.3.10.2. Clinical Discussion
- 5.4. Communication and Language in Autism Spectrum Disorder
  - 5.4.1. Stages in the Development of Normotypical Language
    - 5.4.1.1. Comparative Table of Language Development in Patients with and without ASD.
    - 5.4.1.2. Specific Language Development in Autistic Children
  - 5.4.2. Communication Deficits in ASD
    - 5.4.2.1. Aspects to Take into Account in the Early Stages of Development
    - 5.4.2.2. Explanatory Table with Factors to Take into Account During These Early Stages
  - 5.4.3. Autism and Language Pathology 5.4.3.1. ASD and Dysphasia
  - 5.4.4. Preventive Education 5.4.4.1. Introduction to Prenatal Infant Development
  - 5.4.5. From 0 to 3 Years Old
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  - 5.4.6. CAT Means-Methodology 5.4.6.1. Nursery School (NS)



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		5.4.7.2. Coordination of the Professional with the Follow-up by the
		Pediatrician and Neuropediatrician
		5.4.7.3. Communication Skills to be Developed within this Age Range
	E 4 0	5.4.7.4. Aspects to take into Account
	5.4.8.	School Age
		5.4.8.1. Main Aspects to Take into Account
		5.4.8.2. Open Communication with the Teaching Staff
		5.4.8.3. Types of Schooling
	5.4.9.	Educational Environment
		5.4.9.1. Bullying
		5.4.9.2. Emotional Impact
	5.4.10.	Warning Signs
		5.4.10.1. Guidelines for Action
	-	5.4.10.2. Conflict Resolution
5.5.		unication Systems
	5.5.1.	Available Tools
		5.5.1.1. TIC Tools for Children with Autism
		5.5.1.2. Augmentative and Alternative Communication Systems (AACS)
	5.5.2.	Communication Intervention Models
		5.5.2.1. Facilitated Communication (FC)
		5.5.2.2. Verbal Behavioral Approach (VB)
	5.5.3.	Alternative and/or Augmentative Communication Systems
		5.5.3.1. PEC's (Picture Exchange Communication System
		5.5.3.2. Benson Schaeffer Total Signed Speech System
		5.5.3.3. Sign Language
		5.5.3.4. Bimodal System
	5.5.4.	Alternative Therapies
		5.5.4.1. Hotchpotch
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		5.5.4.3. Cognitive-Behavioral

5.5.5. Choice of System 5.5.5.1. Factors to Consider 5.5.5.2. Decision Making 5.5.6. Scale of Objectives and Priorities to be Developed 5.5.6.1. Assessment, Based on the Resources Available to the Student, of the System Best Suited to their Capabilities 5.5.7. Identification of the Appropriate System 5.5.7.1. We Implement the Most Appropriate Communication System or Therapy Taking into Account the Strengths of the Patient 5.5.8. Implementation 5.5.8.1. Planning and Structuring of the Sessions 5.5.8.2. Duration and Timing 5.5.8.3. Evolution and Estimated Short-Term Objectives 5.5.9. Monitoring 5.5.9.1. Longitudinal Evaluation 5.5.9.2. Re-evaluation Over Time 5.5.10. Adaptation Over Time 5.5.10.1. Restructuring of Objectives Based on Demanded Needs 5.5.10.2. Adaptation of the Intervention according to the Results Obtained 5.6. Elaboration of an Intervention Program 5.6.1. Identification of Needs and Selection of Objectives 5.6.1.1. Early Care Intervention Strategies 5.6.1.2. Denver Model 5.6.2. Analysis of Objectives based on Developmental Levels 5.6.2.1. Intervention Program to Strengthen communicative and Linguistic Areas 5.6.3. Development of Preverbal Communicative Behaviors 5.6.3.1 Applied Behavior Analysis 5.6.4. Bibliographic Review of Theories and Programs in Childhood Autism. 5.6.4.1. Scientific Studies with Groups of Children with ASD 5.6.4.2. Results and Final Conclusions based on the Proposed Programs 5.6.5. School Age 5.6.5.1. Educational Inclusion 5.6.5.2. Global Reading as a Facilitator of Integration in the Classroom

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	5.6.6.1. How to Intervene/Support in Adulthood?
	5.6.6.2. Elaboration of a Specific Program
5.6.7.	Behavioral Intervention
	5.6.7.1. Applied Behavior Analysis (ABA)
	5.6.7.2. Training of Separate Trials
5.6.8.	Combined Intervention
	5.6.8.1. The TEACCH Model
5.6.9.	Support for University Integration of Grade I ASD
	5.6.9.1. Best Practices for Supporting Students in Higher Education
5.6.10.	Positive Behavioral Reinforcement
	5.6.10.1. Program Structure
	5.6.10.2. Guidelines to Follow to Carry Out the Method
Eddodd	onal Materials and Resources
5.7.1.	What can we do as Speech Therapists?
	5.7.1.1. Professional as an Active Role in the Development and Continuous Adaptation of Materials
5.7.2.	List of Adapted Resources and Materials
	5.7.2.1. What Should I Consider?
	5.7.2.2. Brainstorming
5.7.3.	Methods
	5.7.3.1. Theoretical Approach to the Most Commonly Used Methods
	5.7.3.2. Functionality Comparative Table with the Methods Presented
5.7.4.	TEACCH Program
	5.7.4.1. Educational Principles Based on this Method
	5.7.4.2. Characteristics of Autism as a Basis for Structured Teaching
5.7.5.	INMER Program
	5.7.5.1. Fundamental Bases of the Program Main Function
	5.7.5.2. Virtual Reality Immersion System for People with Autism
5.7.6.	ICT-mediated Learning
	5.7.6.1. Software for Teaching Emotions
	5.7.6.2. Applications that favour Language Development

5.7.7. Development of Materials 5.7.7.1. Sources Used 5.7.7.2. Image Banks 5.7.7.3. Pictogram Banks 5.7.7.4. Recommended Materials 5.7.8. Free Resources to Support Learning 5.7.8.1. List of Reinforcement Pages with Programs to Reinforce Learning 5.7.9. SPC 5.7.9.1. Access to the Pictographic Communication System 5.7.9.2. Methodology 5.7.9.3. Main Function 5.7.10. Implementation 5.7.10.1. Selection of the Appropriate Program 5.7.10.2. List of Benefits and Disadvantages 5.8. Adapting the Environment to the student with Autism Spectrum Disorder 5.8.1. General Considerations to be Taken into Account 5.8.1.1. Possible Difficulties within the Daily Routine 5.8.2. Implementation of Visual Aids 5.8.2.1. Guidelines to Have at Home for Adaptation 5.8.3. Classroom Adaptation 5.8.3.1. Inclusive Teaching 5.8.4. Natural Environment 5.8.4.1 General Guidelines for Educational Response 5.8.5. Intervention in Autism Spectrum Disorders and other Severe Personality Disorders 5.8.6. Curricular Adaptations of the Center 5.8.6.1. Heterogeneous Groupings 5.8.7. Adaptation of Individual Curricular Needs 5.8.7.1. Individual Curricular Adaptation 5.8.7.2. Limitations 5.8.8. Curricular Adaptations in the Classroom 5.8.8.1. Cooperative Education 5.8.8.2. Cooperative Learning 5.8.9. Educational Responses to the Different Needs Demanded 5.8.9.1. Tools to be Taken into Account for Effective Teaching

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- 5.8.10. Relationship with the Social and Cultural Environment 5.8.10.1. Habits-Autonomy 5.8.10.2. Communication and Socialization 5.9. School Context 5.9.1. Classroom Adaptation 5.9.1.1. Factors to Consider 5.9.1.2. Curricular Adaptation 5.9.2. School Inclusion 5.9.2.1. We All Add Up 5.9.2.2. How to Help from our Role as Speech-Language Therapist? 5.9.3. Characteristics of Students with ASD 5.9.3.1. Restricted Interests 5.9.3.2. Sensitivity to the Context and its Constraints 5.9.4. Characteristics of Students with Asperger's 5.9.4.1. Potentialities 5.9.4.2. Difficulties and Repercussions at the Emotional Level
  - 5.9.4.3. Relationship with the Peer Group5.9.5. Placement of the Student in the Classroom
    - 5.9.5.1. Factors to be Taken into Account for Proper Student Performance
  - 5.9.6. Materials and Supports to Consider 5.9.6.1. External Support
    - 5.9.6.2. Teacher as a Reinforcement Element within the Classroom
  - 5.9.7. Assessment of Task Completion Times 5.9.7.1. Application of Tools such as Anticipators or Timers
  - 5.9.8. Inhibition Times
     5.9.8.1. Reduction of Inappropriate Behavior Through Visual Support
     5.9.8.2. Visual Schedules
     5.9.8.3. Time-Outs
  - 5.9.9. Hypo- and Hypersensitivity5.9.9.1. Noise Environment5.9.9.2. Stress-Generating Situations
  - 5.9.10. Anticipation of Conflict Situations 5.9.10.1. Back to School Time of Entry and Exit 5.9.10.2. Canteen
    - 5.9.10.3. Vacations

5.10.	Conside	rations to Be Taken into Account With Families
	5.10.1.	Conditioning Factors of Parental Stress and Anxiety
		5.10.1.1. How Does the Family Adaptation Process Occur?
		5.10.1.2. Most Common Worries
		5.10.1.3. Anxiety Management
	5.10.2.	Information for Parents When a Diagnosis is Suspected
		5.10.2.1. Open Communication
		5.10.2.2. Stress Management Guidelines
	5.10.3.	Assessment Records for Parents
		5.10.3.1. Strategies for the Management of Suspected ASD in Early Care
		5.10.3.2. PEDs. Questions About Parents' Developmental Concerns
		5.10.3.3. Situation Assessment and Building a Bond of Trust with Parents
	5.10.4.	Multimedia Resources
		5.10.4.1. Table of Freely Available Resources
	5.10.5.	Associations of Families of People with ASD
		5.10.5.1. List of Recognized and Proactive Associations
	5.10.6.	Return of Therapy and Appropriate Evolution
		5.10.6.1. Aspects to Take into Account for Information Exchange
		5.10.6.2. Creation of Empathy
		5.10.6.3. Creation of a Circle of Trust between Therapist-Relatives-Patient
	5.10.7.	Return of the Diagnosis and Follow-up to the Different Healthcare Professionals
		5.10.7.1. Speech Therapist in their Active and Dynamic role.
		5.10.7.2. Contact with the Different Health Areas
		5.10.7.3. The Importance of Maintaining a Common Line
	5.10.8.	Parents, How to Intervene with the Child?
		5.10.8.1. Advice and Guidelines
		5.10.8.2. Family Respite
	5.10.9.	Generation of Positive Experiences in the Family Environment
		5.10.9.1. Practical Tips for Reinforcing Pleasant Experiences in the Family Environment
		5.10.9.2. Proposals for Activities that Generate Positive Experiences
	5.10.10.	Websites of Interest
		5.10.10.1. Links of Interest

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#### Module 6. Genetic Syndromes

- 6.1. Introduction to Genetic Syndromes 6.1.1. Introduction to Unit 6.1.2. Genetics 6.1.2.1. Concept of Genetics 6.1.2.2. Genes and Chromosomes 6.1.3. The Evolution of Genetics 6.1.3.1. Basis of Genetics 6.1.3.2. The Pioneers of Genetics 6.1.4. Basic Concepts of Genetics 6.1.4.1. Genotype and Phenotype 6.1.4.2. The Genome 6.1.4.3. DNA 6.1.4.4. RNA 6.1.4.5. Genetic Code 6.1.5. Mendel's Laws 6151 Mendel's 1st Law 6.1.5.2. Mendel's 2nd Law 6.1.5.3. Mendel's 3rd Law 6.1.6. Mutations 6.1.6.1. What are Mutations? 6.1.6.2. Levels of Mutations 6.1.6.3. Types of Mutations 6.1.7. Concept of Syndrome 6.1.8. Classification 6.1.9. The Most Frequent Syndromes
  - 6.1.10. Final Conclusions

#### 6.2. Down Syndrome

6.2.1. Introduction to Unit 6.2.1.1. History of Down Syndrome 6.2.2. Concept of Down Syndrome 6.2.2.1. What is Down Syndrome? 6.2.2.2. Genetics of Down Syndrome 6.2.2.3. Chromosomal Alterations in Down Syndrome 6.2.2.2.1. Trisomy 21 6.2.2.2.2. Chromosomal Translocation 6.2.2.2.3. Mosaicism or Mosaic Trisomy 6.2.2.4. Prognosis of Down Syndrome 6.2.3. Etiology 6.2.3.1. The Origin of Down Syndrome 6.2.4. Prevalence 6.2.4.1. Prevalence of Down Syndrome in Other Countries 6.2.5. Characteristics of Down Syndrome 6.2.5.1. Physical Characteristics 6.2.5.2. Speech and Language Development Characteristics 6.2.5.3. Motor Developmental Characteristics 6.2.6. Comorbidity of Down Syndrome 6.2.6.1. What is Comorbidity? 6.2.6.2. Comorbidity in Down Syndrome 6.2.6.3. Associated Disorders 6.2.7. Diagnosis and Evaluation of Down Syndrome 6.2.7.1. The Diagnosis of Down Syndrome 6.2.7.1.1. Where is It Performed? 6.2.7.1.2. Who Performs It? 6.2.7.1.3. When can it be Performed? 6.2.7.2. Speech Therapy Evaluation of Down Syndrome 6.2.7.2.1. Medical History 6.2.7.2.2. Areas to Consider

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	6.2.8.	Speech Therapy Based Intervention
		6.2.8.1. Aspects to take into Account
		6.2.8.2. Setting Objectives for the Intervention
		6.2.8.3. Material for Rehabilitation
		6.2.8.4. Resources to be Used
	6.2.9.	Guidelines
		6.2.9.1. Guidelines for the Person with Down Syndrome to Consider
		6.2.9.2. Guidelines for the Family to Consider
		6.2.9.3. Guidelines for the Educational Context
		6.2.9.4. Resources and Associations
	6.2.10.	The Interdisciplinary Team
		6.2.10.1. The Importance of the Interdisciplinary Team
		6.2.10.2. Speech Therapy
		6.2.10.3. Occupational Therapy
		6.2.10.4. Physiotherapy
		6.2.10.5. Psychology
6.3.	Hunter	Syndrome
	6.3.1.	Introduction to Unit
		6.3.1.1. History of Hunter Syndrome
	6.3.2.	Concept of Hunter Syndrome
		6.3.2.1. What is Hunter Syndrome?
		6.3.2.2. Genetics of Hunter Syndrome
		6.3.2.3. Prognosis of Hunter Syndrome
	6.3.3.	Etiology
		6.3.3.1. The Origin of Hunter Syndrome
	6.3.4.	Prevalence
		6.3.4.1. Hunter Syndrome in Other Countries
	6.3.5.	Main Impacts
		6.3.5.1. Physical Characteristics
		6.3.5.2. Speech and Language Development Characteristics
		6.3.5.3. Motor Developmental Characteristics
	6.3.6.	Comorbidity of Hunter Syndrome
		6.3.6.1. What is Comorbidity?
		6.3.6.2. Comorbidity in Hunter Syndrome
		6.3.6.3. Associated Disorders

6.3.7.	Diagnosis and Evaluation of Hunter Syndrome
	6.3.7.1. The Diagnosis of Hunter Syndrome
	6.3.7.1.1. Where is It Performed?
	6.3.7.1.2. Who Performs It?
	6.3.7.1.3. When can it be Performed?
	6.3.7.2. Speech Therapy Evaluation of Hunter Syndrome
	6.3.7.2.1. Medical History
	6.3.7.2.2. Areas to Consider
6.3.8.	Speech Therapy Based Intervention
	6.3.8.1. Aspects to take into Account
	6.3.8.2. Setting Objectives for the Intervention
	6.3.8.3. Material for Rehabilitation
	6.3.8.4. Resources to be Used
6.3.9.	Guidelines
	6.3.9.1. Guidelines to Consider for the Person with Hunter Syndrome
	6.3.9.2. Guidelines for the Family to Consider
	6.3.9.3. Guidelines for the Educational Context
	6.3.9.4. Resources and Associations
6.3.10.	The Interdisciplinary Team
	6.3.10.1. The Importance of the Interdisciplinary Team
	6.3.10.2. Speech Therapy
	6.3.10.3. Occupational Therapy
	6.3.10.4. Physiotherapy
	6.3.10.5. Psychology
Fragile X	< Syndrome
6.4.1.	Introduction to Unit
	6.4.1.1. History of Fragile X Syndrome
6.4.2.	Concept of Fragile X Syndrome
	6.4.2.1. What is Fragile X Syndrome?
	6.4.2.2. Genetics of Fragile X Syndrome
	6.4.2.3. Prognosis of Fragile X Syndrome
6.4.3.	Etiology
	6.4.3.1. The Origin of Fragile X Syndrome
6.4.4.	Prevalence
	6.4.4.1. Fragile X Syndrome in Other Countries

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6.4.5.	Main Impacts
	6.4.5.1. Physical Characteristics
	6.4.5.2. Speech and Language Development Characteristics
	6.4.5.3. Characteristics in the Development of Intelligence and Learning
	6.4.5.4. Social, Emotional, and Behavioral Characteristics
	6.4.5.5. Sensory Characteristics
6.4.6.	Comorbidity of Fragile X Syndrome
	6.4.6.1. What is Comorbidity?
	6.4.6.2. Comorbidity of Fragile X Syndrome
	6.4.6.3. Associated Disorders
6.4.7.	Diagnosis and Evaluation of Fragile X Syndrome
	6.4.7.1. The Diagnosis of Fragile X Syndrome
	6.4.7.1.1. Where is It Performed?
	6.4.7.1.2. Who Performs It?
	6.4.7.1.3. When can it be Performed?
	6.4.7.2. Logopedic Evaluation of Fragile X Syndrome
	6.4.7.2.1. Medical History
	6.4.7.2.2. Areas to Consider
6.4.8.	Speech Therapy Based Intervention
	6.4.8.1. Aspects to take into Account
	6.4.8.2. Setting Objectives for the Intervention
	6.4.8.3. Material for Rehabilitation
	6.4.8.4. Resources to be Used
6.4.9.	Guidelines
	6.4.9.1. Guidelines to Consider for the Person with Fragile X Syndrome
	6.4.9.2. Guidelines for the Family to Consider
	6.4.9.3. Guidelines for the Educational Context
	6.4.9.4. Resources and Associations
6.4.10.	The Interdisciplinary Team
	6.4.10.1. The Importance of the Interdisciplinary Team
	6.4.10.2. Speech Therapy
	6.4.10.3. Occupational Therapy
	6.4.10.4. Physiotherapy

#### 6.5. Rett Syndrome

6.5.1.	Introduction to Unit
	6.5.1.1. History of Rett Syndrome
6.5.2.	Concept of Rett Syndrome
	6.5.2.1. What is Rett Syndrome?
	6.5.2.2. Genetics of Rett Syndrome
	6.5.2.3. Prognosis of Rett Syndrome
6.5.3.	Etiology
	6.5.3.1. The Origin of Rett Syndrome
6.5.4.	Prevalence
	6.5.4.1. Rett Syndrome in Other Countries
	6.5.4.2. Stages in The Development of Rett Syndrome
	6.5.4.2.1. Stage I: Early Onset Stage
	6.5.4.2.2. Stage II: Accelerated Destruction Stage
	6.5.4.2.3. Stage III: Stabilization or Pseudo-Stationary Stage
	6.5.4.2.4. Stage IV: Late Motor Impairment Stage
6.5.5.	Comorbidity of Rett Syndrome
	6.5.5.1. What is Comorbidity?
	6.5.5.2. Comorbidity in Rett Syndrome
	6.5.5.3. Associated Disorders
6.5.6.	Main Impacts
	6.5.6.1. Introduction
	6.5.6.2. Physical Characteristics
	6.5.6.3. Clinical Characteristics
6.5.7.	Diagnosis and Evaluation of Rett Syndrome
	6.5.7.1. The Diagnosis of Rett Syndrome
	6.5.7.1.1. Where is It Performed?
	6.5.7.1.2. Who Performs It?
	6.5.7.1.3. When can it be Performed?
	6.5.7.2. Speech Therapy Evaluation of Rett Syndrome
	6.5.7.2.1. Medical History
	6.5.7.2.2. Areas to Consider

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- 6.5.8. Speech Therapy Based Intervention
  - 6.5.8.1. Aspects to take into Account
  - 6.5.8.2. Setting Objectives for the Intervention
  - 6.5.8.3. Material for Rehabilitation
  - 6.5.8.4. Resources to be Used
- 6.5.9. Guidelines
  - 6.5.9.1. Guidelines to Consider for the Person with Rett Syndrome 6.5.9.2. Guidelines for the Family to Consider
  - 6.5.9.3. Guidelines for the Educational Context
  - 6.5.9.4. Resources and Associations
- 6.5.10. The Interdisciplinary Team
  - 6.5.10.1. The Importance of the Interdisciplinary Team
  - 6.5.10.2. Speech Therapy
  - 6.5.10.3. Occupational Therapy
  - 6.5.10.4. Physiotherapy
- 6.6. Smith-Magenis Syndrome
  - 6.6.1 Smith-Magenis Syndrome
    - 6.6.1.1. Introduction
    - 6.6.1.2. Concept
  - 6.6.2. Etiology
  - 6.6.3. Epidemiology
  - 6.6.4. Development according to Stages
    - 6.6.4.1. Infants (up to 2 Years of Age)
    - 6.6.4.2. Childhood (from 2 to 12 Years of Age)
      - 6.6.4.2.1. Adolescence and Adulthood (from 12 Years of Age)
  - 6.6.5. Differential Diagnosis
  - 6.6.6. Clinical, Cognitive, Behavioral, and Physical Features of Smith-Magenis Syndrome
    - 6.6.6.1. Clinical Characteristics
    - 6.6.6.2. Cognitive and Behavioral Characteristics
    - 6.6.6.3. Physical Characteristics
  - 6.6.7. Speech Therapy Evaluation in Smith-Magens Syndrome

- 6.6.8. Speech Therapy Intervention in Smith-Magenis Syndrome
  6.6.8.1. General Considerations for starting the Intervention
  6.6.8.2. Stages of the Intervention Process
  6.6.8.3. Communicative Aspects of Intervention
  6.6.9. Speech Therapy Exercises for Smith-Magenis Syndrome
  6.6.9.1. Auditory Stimulation Exercises: Sounds and Words
  6.6.9.2. Exercises to Promote Grammatical Structures
  6.6.9.3. Exercises to Increase Vocabulary
  - 6.6.9.4. Exercises to Improve the Use of Language
  - 6.6.9.5. Exercises for Problem Solving and Reasoning
- 6.6.10. Associations to Help Patients and Families of Smith-Magenis Syndrome
- 6.7. Williams Syndrome
  - 6.7.1. Williams Syndrome
    - 6.7.1.1. History of Williams Syndrome
    - 6.7.1.2. Concept of Williams Syndrome
  - 6.7.2. Etiology of Williams Syndrome
  - 6.7.3. Epidemiology of Williams Syndrome
  - 6.7.4. Diagnosis of Williams Syndrome
  - 6.7.5. Speech Therapy Evaluation of Williams Syndrome
  - 6.7.6. Characteristics of Williams Syndrome
    - 6.7.6.1. Medical Aspects
    - 6.7.6.2. Facial Features
    - 6.7.6.3. Hyperacusis
    - 6.7.6.4. Neuroanatomical Features
    - 6.7.6.5. Language Characteristics
      - 6.7.6.5.1. Early Language Development
      - 6.7.6.5.2. Characteristics of Language in the WS from 4 Years of Age Onwards
    - 6.7.6.6. Socio-Affective Characteristics in Williams Syndrome
  - 6.7.7. Speech Therapy Intervention in Early Care in Children with Williams Syndrome
  - 6.7.8. Speech Therapy Intervention at School with Williams Syndrome
  - 6.7.9. Speech Therapy Intervention in Adulthood with Williams syndrome
  - 6.7.10. Associations

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      - 9.8.3.2.4. "Idiosyncratic" Gestures
      - 9.8.3.2.5. Other Elements



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9.8.4.	Objectives and Advantages of the use of Bimodal Communication
	9.8.4.1. Preliminary Considerations
	9.8.4.2. Advantages of Bimodal Communication
	9.8.4.2.1. Regarding the Word at the Reception
	9.8.4.2.2. Regarding the Word in Expression
	9.8.4.3. Advantages of Bimodal Communication Over Other Augmentative and Alternative Communication Systems
9.8.5.	When Should We Consider Using Bimodal Communication?
	9.8.5.1. Preliminary Considerations
	9.8.5.2. Factors to Consider
	9.8.5.3. Professionals Making the Decision
	9.8.5.4. The Importance of the Role of the Family
9.8.6.	The Facilitating Effect of Bimodal Communication
	9.8.6.1. Preliminary Considerations
	9.8.6.2. The Indirect Effect
	9.8.6.3. The Direct Effect
9.8.7.	Bimodal Communication in the different Language Areas
	9.8.7.1. Preliminary Considerations
	9.8.7.2. Bimodal Communication and Comprehension
	9.8.7.3. Bimodal Communication and Expression
9.8.8.	Forms of Implementation of Bimodal Communication
9.8.9.	Programs aimed at learning and implementing the Bimodal System
	9.8.9.1. Preliminary Considerations
	9.8.9.2. Introduction to Bimodal Communication Supported by Clic and NeoBook Authoring Tools
	9.8.9.3. Bimodal 2000
9.8.10.	Final Conclusions
The Fig	jure of the Interpreter of Sign Language (ILSE)
9.9.1.	Introduction to Unit
9.9.2.	History of Interpretation
	9.9.2.1. History of Oral Language Interpreting
	9.9.2.2. History of Sign Language Interpreting
	9.9.2.3. Sign Language Interpreting as a Profession

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9.9.3.	9.9.3.1. Concept
	9.9.3.2. ILSE Professional Profile
	9.9.3.2.1. Personal Characteristics 9.9.3.2.2. Intellectual Characteristics
	9.9.3.2.2. Intellectual Characteristics
	9.9.3.2.3. Ethical Characteristics 9.9.3.2.4. General Knowledge
	9.9.3.3. The Indispensable Role of the Sign Language Interpreter
	9.9.3.4. Professionalism in Interpreting
9.9.4.	
9.9.4.	9.9.4.1. Characteristics of Interpreting
	9.9.4.2. The purpose of Interpretation
	9.9.4.3. Interpreting as a Communicative and Cultural Interaction
	9.9.4.4. Types of Interpretation
	9.9.4.4.1. Consecutive Interpretation
	9.9.4.4.2. Simultaneous Interpretation
	9.9.4.4.3. Interpreting in a Telephone Call
	9.9.4.4.4. Interpreting Written Texts
9.9.5.	Components of the Interpretation Process
	9.9.5.1. Message
	9.9.5.2. Perception
	9.9.5.3. Linking Systems
	9.9.5.4. Comprehension
	9.9.5.5. Interpretation
	9.9.5.6. Assessment
	9.9.5.7. Human Resources Involved
9.9.6.	List of the Elements of the Interpretation Mechanism
	9.9.6.1. Moser's Hypothetical Model of Simultaneous Interpretation
	9.9.6.2. Colonomo's Model of Interpreting Work
	9.9.6.3. Cokely's Interpretation Process Model

9.9.7.	Interpretation Techniques
	9.9.7.1. Concentration and Attention
	9.9.7.2. Memory
	9.9.7.3. Note Taking
	9.9.7.4. Verbal Fluency and Mental Agility
	9.9.7.5. Resources for Lexical Building
9.9.8.	ILSE Fields of Action
	9.9.8.1. Services in General
	9.9.8.2. Specific Services
	9.9.8.3. Organization of ILS services in other European Countries
9.9.9.	Ethical Standards
	9.9.9.1. The ILSE Code of Ethics
	9.9.9.2. Fundamental Principles
	9.9.9.3. Other Ethical Principles
9.9.10.	Sign Language Interpreter Associations
	9.9.10.1. ILS Associations in Europe
	9.9.10.2. ILS Associations in the Rest of the World

# **Module 10.** Psychological Knowledge of Interest in the Speech-Language Pathology Field

- 10.1. Child and Adolescent Psychology
  - 10.1.1. First Approach to Child and Adolescent Psychology
    - 10.1.1.1. What Does the Area of Knowledge of Child and Adolescent Psychology Study?
    - 10.1.1.2. How has it Evolved Over the Years?
    - 10.1.1.3. What Are the Different Theoretical Orientations that a Psychologist Can Follow?
    - 10.1.1.4. The Cognitive-Behavioral Model
  - 10.1.2. Psychological Symptoms and Mental Disorders in Childhood and Adolescence
    - 10.1.2.1. Difference Between Sign, Symptom, and Syndrome
    - 10.1.2.2. Definition of Mental Disorder
    - 10.1.2.3. Classification of Mental Disorders: DSM 5 and ICD-10
    - 10.1.2.4. Difference Between Psychological Problem or Difficulty and Mental Disorder
    - 10.1.2.5. Comorbidity
    - 10.1.2.6. Frequent Problems Object of Psychological Attention

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- 10.1.3. Skills of the Professional Working with Children and Adolescents
  - 10.1.3.1. Essential Knowledge
  - 10.1.3.2. Main Ethical and Legal Issues in Working With Children and Adolescents
  - 10.1.3.3. Personal Characteristics and Skills of the Professional
  - 10.1.3.4. Communication Skills
  - 10.1.3.5. The Game in Consultation
- 10.1.4. Main Procedures in Psychological Assessment and Intervention in Childhood and Adolescence
  - 10.1.4.1. Decision Making and Help Seeking in Children and Adolescents
  - 10.1.4.2. Interview
  - 10.1.4.3. Establishment of Hypotheses and Assessment Tools
  - 10.1.4.4. Functional Analysis and Explanatory Hypotheses of the Difficulties
  - 10.1.4.5. Establishment of Objectives
  - 10.1.4.6. Psychological Intervention
  - 10.1.4.7. Monitoring
  - 10.1.4.8. The Psychological Report: Key Aspects
- 10.1.5. Benefits of Working with Other Persons Related to the Child
  - 10.1.5.1. Fathers and Mothers
  - 10.1.5.2. Education Professionals
  - 10.1.5.3. Speech Therapist
  - 10.1.5.4. The Psychologist
  - 10.1.5.5. Other Professionals
- 10.1.6. The Interest of Psychology from the point of view of a Speech-Language Pathologist
  - 10.1.6.1. The Importance of Prevention
  - 10.1.6.2. The influence of Psychological Symptoms on Speech Therapy Rehabilitation
  - 10.1.6.3. The Relevance of Knowing How to Detect Possible Psychological Symptoms
  - 10.1.6.4. Referral to the Appropriate Professional

- 10.2. Internalizing Problems: Anxiety
  - 10.2.1. Concept of Anxiety
  - 10.2.2. Detection: Main Manifestations 10.2.2.1. Emotional Dimension
    - 10.2.2.2. Cognitive Dimension
    - 10.2.2.3. Psychophysiological Dimension
    - 10.2.2.4. Behavioral Dimension
  - 10.2.3. Anxiety Risk Factors 10.2.3.1. Individual 10.2.3.2. Contextual
  - 10.2.4. Conceptual Differences
    - 10.2.4.1. Anxiety and Stress
    - 10.2.4.2. Anxiety and Fear
    - 10.2.4.3. Anxiety and Phobia
  - 10.2.5. Fears in Childhood and Adolescence
    - 10.2.5.1. Difference Between Developmental Fears and Pathological Fears
    - 10.2.5.2. Developmental Fears in Infants
    - 10.2.5.3. Developmental Fears in the Preschool Stage
    - 10.2.5.4. Developmental Fears in the School Stage
    - 10.2.5.5. The Main Fears and Worries in the Adolescent Stage
  - 10.2.6. Some of the Main Anxiety Disorders and Problems in Children and Adolescents
    - 10.2.6.1. School Rejection
      - 10.2.6.1.1. Concept
      - 10.2.6.1.2. Delimitation of Concepts: Anxiety, Rejection, and School Phobia
      - 10.2.6.1.3. Main Symptoms
      - 10.2.6.1.4. Prevalence
      - 10.2.6.1.5. Etiology
    - 10.2.6.2. Pathological Fear of the Dark
      - 10.2.6.2.1. Concept
      - 10.2.6.2.2. Main Symptoms
      - 10.2.6.2.3. Prevalence
      - 10.2.6.2.4. Etiology

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10.2.6.3. Separation Anxiety 10.2.6.3.1. Concept 10.2.6.3.2. Main Symptoms 10.2.6.3.3. Prevalence 10.2.6.3.4. Etiology 10.2.6.4. Specific Phobia 10.2.6.4.1. Concept 10.2.6.4.2. Main Symptoms 10.2.6.4.3. Prevalence 10.2.6.4.4. Etiology 10.2.6.5. Social Phobia 10.2.6.5.1. Concept 10.2.6.5.2. Main Symptoms 10.2.6.5.3. Prevalence 10.2.6.5.4. Etiology 10.2.6.6. Panic Disorder 10.2.6.6.1. Concept 10.2.6.6.2. Main Symptoms 10.2.6.6.3. Prevalence 10.2.6.6.4. Etiology 10.2.6.7. Agoraphobia 10.2.6.7.1. Concept 10.2.6.7.2. Main Symptoms 10.2.6.7.3. Prevalence 10.2.6.7.4. Etiology 10.2.6.8. Generalized Anxiety Disorder 10.2.6.8.1. Concept 10.2.6.8.2. Main Symptoms 10.2.6.8.3. Prevalence 10.2.6.8.4. Etiology 10.2.6.9. Obsessive Compulsive Disorder 10.2.6.9.1. Concept 10.2.6.9.2. Main Symptoms 10.2.6.9.3. Prevalence 10.2.6.9.4. Etiology









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- 10.2.6.10. Post-Traumatic Stress Disorders 10.2.6.10.1. Concept 10.2.6.10.2. Main Symptoms 10.2.6.10.3. Prevalence 10.2.6.10.4. Etiology 10.2.7. Possible Interference of Anxious Symptomatology in Speech Therapy Rehabilitation 10.2.7.1. In Articulation Rehabilitation 10.2.7.2. In Literacy Rehabilitation 10.2.7.3. In Voice Rehabilitation 10.2.7.4. In Dysphemia Rehabilitation 10.3. Internalizing Type Problems: Depression 10.3.1. Concept 10.3.2. Detection: Main Manifestations 10.3.2.1. Emotional Dimension 10.3.2.2. Cognitive Dimension
  - 10.3.2.3. Psychophysiological Dimension
  - 10.3.2.4. Behavioral Dimension
  - 10.3.3. Depression Risk Factors 10.3.3.1. Individual 10.3.3.2. Contextual
  - 10.3.4. Evolution of Depressive Symptomatology Throughout Development10.3.4.1. Symptoms in Children10.3.4.2. Symptoms in Adolescents
    - 10.3.4.3. Symptoms in Adults
  - 10.3.5. Some of the Major Disorders and Problems of Childhood and Adolescent Depression
    - 10.3.5.1. Major Depressive Disorder
      - 10.3.5.1.1. Concept
      - 10.3.5.1.2. Main Symptoms
      - 10.3.5.1.3. Prevalence
      - 10.3.5.1.4. Etiology

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10.3.5.2. Persistent Depressive Disorder 10.3.5.2.1. Concept 10.3.5.2.2. Main Symptoms 10.3.5.2.3. Prevalence 10.3.5.2.4. Etiology 10.3.5.3. Disruptive Mood Dysregulation Disorder 10.3.5.3.1. Concept 10.3.5.3.2. Main Symptoms 10.3.5.3.3. Prevalence 10.3.5.3.4. Etiology 10.3.6. Interference of Depressive Symptomatology in Speech Therapy Rehabilitation 10.3.6.1. In Articulation Rehabilitation 10.3.6.2. In Literacy Rehabilitation 10.3.6.3. In Voice Rehabilitation 10.3.6.4. In Dysphemia Rehabilitation 10.4. Externalizing Type Problems: the Main Disruptive Behaviors and their Characteristics 10.4.1. Factors that Contribute to the Development of Behavioral Problems 10.4.1.1. In Childhood 10.4.1.2. In Adolescence 10.4.2. Disobedient and Aggressive Behavior 10.4.2.1. Disobedience 10.4.2.1.1. Concept 10.4.2.1.2. Manifestations 10.4.2.2. Aggressiveness 10.4.2.2.1. Concept 10.4.2.2.2. Manifestations 10.4.2.2.3. Types of Aggressive Behaviors

10.4.3. Some of the Main Dhild and Adolescent Conduct Disorders 10.4.3.1. Oppositional Defiant Disorder 10.4.3.1.1. Concept 10.4.3.1.2. Main Symptoms 10.4.3.1.3. Facilitating Factors 104314 Prevalence 10.4.3.1.5. Etiology 10.4.3.2. Conduct Disorder 10.4.3.2.1. Concept 10.4.3.2.2. Main Symptoms 10.4.3.2.3. Facilitating Factors 10.4.3.2.4. Prevalence 10.4.3.2.5. Etiology 10.4.4. Hyperactivity and Impulsivity 10.4.4.1. Hyperactivity and its Manifestations 10.4.4.2. Relationship Between Hyperactivity and Disruptive Behavior 10.4.4.3. Evolution of Hyperactive and Impulsive Behaviors Throughout Development 10.4.4.4. Problems Associated with Hyperactivity/Impulsivity 10.4.5. Jealousy 10.4.5.1. Concept 10.4.5.2. Main Manifestations 10.4.5.3. Possible Causes 10.4.6 Behavioral Problems at Mealtime or Bedtime 10.4.6.1. Common Bedtime Problems 10.4.6.2. Usual Problems at Mealtimes 10.4.7. Interference of Behavioral problems in Speech Therapy Rehabilitation 10.4.7.1. In Articulation Rehabilitation 10.4.7.2. In Literacy Rehabilitation 10.4.7.3. In Voice Rehabilitation 10.4.7.4. In Dysphemia Rehabilitation

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#### 10.5. Attention

10.5.1. Concept

10.5.2. Brain Areas Involved in Attentional Processes and Main Characteristics.

10.5.3. Classification of Attention

- 10.5.4. Influence of Attention on Language
- 10.5.5. Influence of Attention Deficit on Speech Rehabilitation 10.5.5.1. In Articulation Rehabilitation

- 10.5.5.2. In Literacy Rehabilitation
- 10.5.5.3. In Voice Rehabilitation
- 10.5.5.4. In Dysphemia Rehabilitation
- 10.5.6. Specific Strategies to Promote Different Types of Care10.5.6.1. Tasks that Favor Sustained Attention10.5.6.2. Tasks that Favor Selective Attention
  - 10.5.6.3. Tasks that Favor Divided Attention
- 10.5.7. The Importance of Coordinated Intervention with Other Professionals
- 10.6. Executive Functions
  - 10.6.1. Concept
  - 10.6.2. Brain areas Involved in Executive Functions and Main Characteristics
  - 10.6.3. Components of Executive Functions
    - 10.6.3.1. Verbal Fluency
    - 10.6.3.2. Cognitive Flexibility
    - 10.6.3.3. Planning and Organization
    - 10.6.3.4. Inhibition
    - 10.6.3.5. Decision Making
    - 10.6.3.6. Reasoning and Abstract Thinking
  - 10.6.4. Influence of the Executive Functions on Language
  - 10.6.5. Specific Strategies for training Executive Functions 10.6.5.1. Strategies that Favor Verbal Fluency
    - 10.6.5.2. Strategies that Favor Cognitive Flexibility
    - 10.6.5.3. Strategies that Promote Planning and Organization
    - 10.6.5.4. Strategies that Favor Inhibition
    - 10.6.5.5. Strategies that Favor Decision Making
    - 10.6.5.6. Strategies that Favor Reasoning and Abstract Thinking
  - 10.6.6. The Importance of Coordinated Intervention with Other Professionals

10.7. Social Skills I: Related Concepts 10.7.1. Social Skills 10.7.1.1. Concept 10.7.1.2. The Importance of Social Skills 10.7.1.3. The Different Components of Social Skills 10.7.1.4 The Dimensions of Social Skills 10.7.2. Communication. 10.7.2.1. Communication Difficulties 10722 Effective Communication 10.7.2.3. Components of Communication 10.7.2.3.1. Characteristics of Verbal Communication 10.7.2.3.2. Characteristics of Non-Verbal Communication and its Components 10.7.3. Communicative Styles 10.7.3.1. Inhibited Style 10.7.3.2. Aggressive Style 10.7.3.3. Assertive Style 10.7.3.4. Benefits of an Assertive Communication Style 10.7.4. Parental Educational Styles 10.7.4.1. Concept 10.7.4.2. Permissive-Indulgent Educational Style 10.7.4.3. Negligent Permissive Style 10.7.4.4. Authoritative Educational Style 10.7.4.5. Democratic Educational Style 10.7.4.6. Consequence of the Different Educational Styles in Children and Adolescents 10.7.5. Emotional Intelligence 10.7.5.1. Intrapersonal and Interpersonal Emotional Intelligence 10.7.5.2. Basic Emotions 10.7.5.3. The Importance of Recognizing Emotions in Oneself and Others 10.7.5.4. Emotional Regulation 10.7.5.5. Strategies to Favor an Adequate Emotional Regulation

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1076	Self-Esteem
1017101	10.7.6.1. Concept of Self-Esteem
	10.7.6.2. Difference Between Self-Concept and Self-Esteem
	10.7.6.3. Characteristics of Self-Esteem Deficit
	10.7.6.4. Factors Associated with Self-Esteem Deficit
	10.7.6.5. Strategies to Promote Self-esteem
10.7.7.	Empathy
	10.7.7.1. Concept of Empathy
	10.7.7.2. Is Empathy the Same as Sympathy?
	10.7.7.3. Types of Empathy
	10.7.7.4. Theory of Mind
	10.7.7.5. Strategies to Promote Empathy
	10.7.7.6. Strategies to Work on Theory of Mind
Social S	kills II: Specific Guidelines for Handling Different Situations
10.8.1.	Communicative Intention
	10.8.1.1. Factors to Take into Account when Starting a Conversation
	10.8.1.2. Specific Guidelines for Initiating a Conversation
10.8.2.	Entering an Initiated Conversation
	10.8.2.1. Specific Guidelines for Entering an Initiated Conversation
10.8.3.	Maintaining the Dialogue
	10.8.3.1. Active Listening
	10.8.3.2. Specific Guidelines for Maintaining Conversations
10.8.4.	Conversational Closure
	10.8.4.1. Difficulties Encountered in Closing Conversations
	10.8.4.2. Assertive Style in Conversational Closure
	10.8.4.3. Specific Guidelines for Closing Conversations in Different Circumstances
	10.7.7. Social S 10.8.1. 10.8.2. 10.8.3.

10.8.5. Making Requests 10.8.5.1. Non-Assertive Ways of Making Requests 10.8.5.2. Specific Guidelines for Making Requests in an Assertive Manner 10.8.6. Rejection of Requests 10.8.6.1. Non-Assertive Ways of Rejecting Requests 10.8.6.2. Specific Guidelines for Rejecting Requests in an Assertive Manner 10.8.7. Giving and Receiving Compliments 10.8.7.1. Specific Guidelines for Giving Compliments 10.8.7.2. Specific Guidelines for Accepting Compliments in an Assertive Manner 10.8.8. Responding to Criticism 10.8.8.1. Non-Assertive Ways of Responding to Criticism 10.8.8.2. Specific Guidelines for Reacting Assertively to Criticism 10.8.9. Asking for Behavioral Changes 10.8.9.1. Reasons for Requesting Behavioral Changes 10.8.9.2. Specific Strategies for Requesting Behavioral Changes 10.8.10. Interpersonal Conflict Management 10.8.10.1 Types of Conflicts 10.8.10.2. Non-Assertive Ways of Dealing With Conflicts 10.8.10.3. Specific Strategies for Dealing Assertively with Conflicts 10.9. Strategies for Behavior Modification in Consultation and for Increasing the Motivation of the Youngest Children in Consultation 10.9.1. What are Behavior Modification Techniques? 10.9.2. Techniques Based on Operant Conditioning 10.9.3. Techniques for the Initiation, Development, and Generalization of Appropriate Behaviors 10.9.3.1. Positive Reinforcement

10.9.3.2. Token Economy

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10.9.4. Techniques for the Reduction or Elimination of Inappropriate Behaviors 10.9.4.1. Extinction 10.9.4.2. Reinforcement of Incompatible Behaviors 10.9.4.3. Response Cost and Withdrawal of Privileges 10.9.5. Punishment 10.9.5.1. Concept 10.9.5.2. Main Disadvantages 10.9.5.3. Guidelines for the Application of Punishment 10.9.6. Motivation 10.9.6.1. Concept and Main Characteristics 10.9.6.2. Types of Motivation 10.9.6.3. Main Explanatory Theories 10.9.6.4. The Influence of Beliefs and Other Variables on Motivation 10.9.6.5. Main Manifestations of Low Motivation 10.9.6.6. Guidelines to Promote Motivation in Consultation 10.10. School Failure: Study Habits and Techniques from a Speech Therapy and Psychological Point of View 10.10.1. Concept of School Failure 10.10.2. Causes of School Failure 10.10.3. Consequences of School Failure in Children 10.10.4. Influencing Factors in School Success 10.10.5. The Aspects that We Must Take Care of to Obtain a Good Performance 10.10.5.1. Sleep 10.10.5.2. Nutrition 10.10.5.3. Physical Activity

10.10.6. The Role of Parents
10.10.7. Some Guidelines and Study Techniques that Can Help Children and Adolescents
10.10.7.1. The Study Environment
10.10.7.2. The Organization and Planning of the Study
10.10.7.3. Calculation of Time
10.10.7.4. Underlining Techniques
10.10.7.5. Schemes
10.10.7.6. Mnemonic rules
10.10.7.7. Review
10.10.7.8. Breaks

This Professional Master's Degree in Speech, Language and Communication Disorders will help you grow personally and professionally"

# 06 **Methodology**

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.** 

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

## Methodology | 81 tech

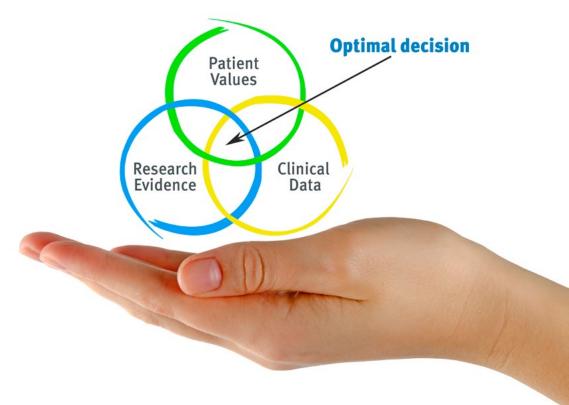
Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

## tech 82 | Methodology

#### At TECH Education School we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will be presented with multiple simulated cases based on real situations, where they will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method.

With TECH, educators can experience a learning methodology that is shaking the foundations of traditional universities around the world.



It is a technique that develops critical skills and prepares educators to make decisions, defend their arguments, and contrast opinions. Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method.

#### The effectiveness of the method is justified by four fundamental achievements:

- 1. Educators who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
- 2. The learning process is solidly focused on practical skills that allow educators to better integrate the knowledge into daily practice.
- 3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life teaching.
- 4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## tech 84 | Methodology

#### **Relearning Methodology**

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

Educators will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



## Methodology | 85 tech

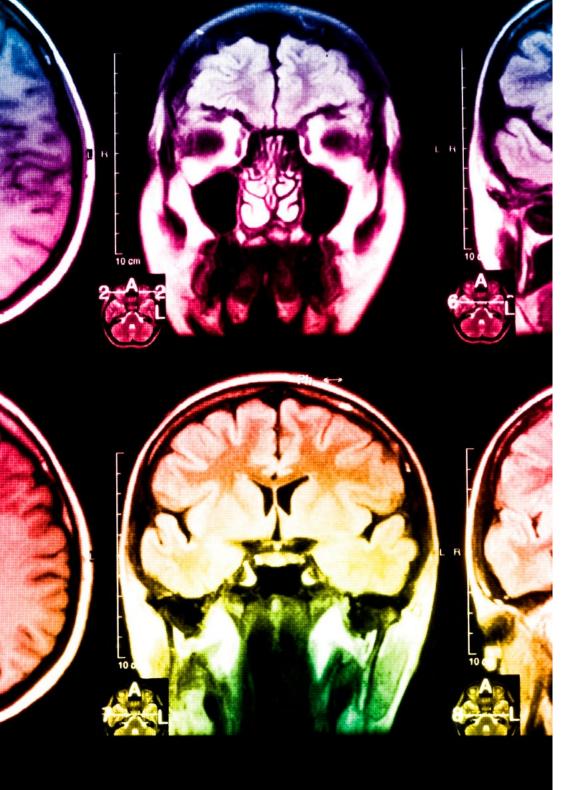
At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 85,000 educators with unprecedented success in all specialties. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.



## tech 86 | Methodology

This program offers the best educational material, prepared with professionals in mind:



#### **Study Material**

All teaching material is produced by the specialist educators who teach the course, specifically for the course, so that the teaching content is really specific and precise.

These contents are then adapted in audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high-quality pieces in each and every one of the materials that are made available to the student.

20%

15%

3%

15%



#### **Educational Techniques and Procedures on Video**

TECH introduces students to the latest techniques, with the latest educational advances, and to the forefront of Education. All this, first-hand, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, students can watch them as many times as they want.



#### **Interactive Summaries**

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.

## Methodology | 87 tech



#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

20%

7%

3%

17%



#### **Testing & Retesting**

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.

## 07 **Certificate**

The Professional Master's Degree in Speech, Language and Communication Disorders guarantees students, in addition to the most rigorous and updated education, access to a Professional Master's Degree issued by TECH Technological University.



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Successfully complete this program and receive your university degree without travel or laborious paperwork"

## tech 88 | Certificate

The Professional Master's Degree in **Professional Master's Degree in Speech**, **Language and Communication Disorders** guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by **TECH Global University**..

**TECH Global University** is an official European University publicly recognized by the Government of Andorra (*official bulletin*). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.



This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

## $\mathsf{Title:}$ Professional Master's Degree in Speech, Language and Communication Disorders

Modality: online

Duration: 12 months

Professional Master's Degree in Speech, Language and Communication Disorders

cture of the Syllabus		Gener	General Structure of the Syllabus			
		Year	Subject	ECTS	Туре	
	Hours	10	MODULE 1	100	CO	
D)	1,500			100		
	0	1°	MODULE 2		CO	
lacement (WP)	0	1°	MODULE 3		CO	
e Thesis (MDT)	0	1°	MODULE 4		CO	
	Total 1,500	10	MODULE 5		CO	
	10(8) 1,500	10	MODULE 6		CO	
		1°	MODULE 7		CO	
		1°	MODULE 8		CO	
		1°	MODULE 9		CO	
		1°	MODULE 10		CO	
		1°	MODULE 11		CO	
		1°	MODULE 12		CO	



General Struc Subject type Compulsory (CC

External Work P

Master's Denro

tech global university

\*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

tecn global university **Professional Master's Degree** Speech, Language and **Communication Disorders** » Modality: online » Duration: 12 months » Certificate: TECH Global University » Credits: 60 ECTS

- » Cleans. OU ECTS
- » Schedule: at your own pace
- » Exams: online

Professional Master's Degree Speech, Language and Communication Disorders

