



學

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教



2021



聽覺言語治療與心智解讀
How Can We Help SEN Students to Learn
Theory of Mind (ToM) Skills via
Auditory-Verbal Therapy?



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Cover

Learning &
Teaching Expo 2021
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Convention and Exhibition Centre



- Definition of ToM, and relationship to SEN students
- Relationship of ToM to language development, tracking of conversation, and intensity of social / language exposure
- Relationship of ToM incidental learning
- Tips for developing ToM skills

Definition



Theory of mind

“The capacity to infer other people’s mental states, and to use this information to predict behavior, is a central cognitive ability that emerges early in human development.”

(Pyers and Senghas, 2009)

overhearing

Because the literature in developmental psychology tells us that about **90%** of what very young children know about the world, they learn incidentally.

And, it's not just about knowledge --
overhearing facilitates social/cognitive development.

Influence Language and ToM

Out comes

Parent Involvement

Impact Belief

Maternal Linguistic Input (Quality & Quantity)

Sally



This is Sally's basket.



Anne

This is Anne's box.

Sally puts her
red ball . . .



into her basket.



Sally goes out of the room
and leaves Anne alone.



Anne takes the ball out
of the basket . . .



and puts it in
the box.

When Sally comes back . . .



she wants to
play with the
ball.

Where will Sally look for her ball?

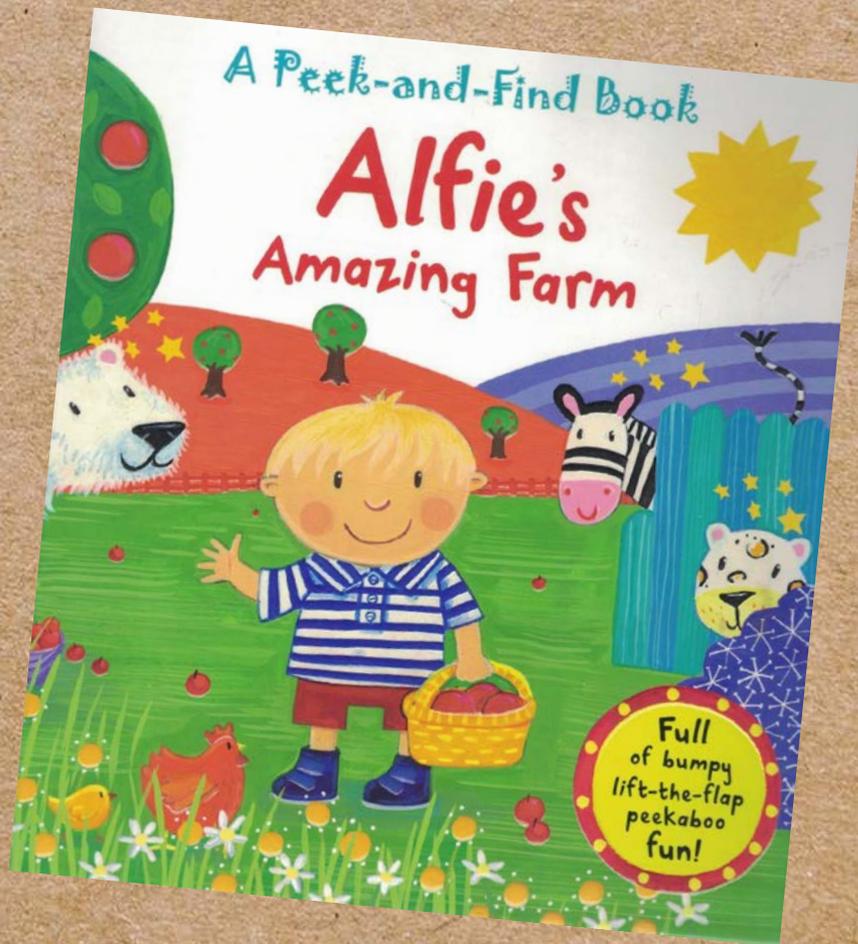
心理狀態動詞

Mental State Verbs

LIKE
hope BELIEVE understand
remember perceive decide
appreciate want imagine
recognize miss consider
think surprise learn
KNOW feel WONDER
guess forget

A Peek-and-Find Book

Alfie's Amazing Farm



Full
of bumpy
lift-the-flap
peekaboo
fun!

DEVELOPMENT

LISTENING??

COGNITION??

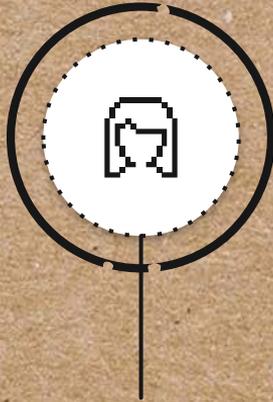
THEORY OF
MIND??



SPEECH
(ARTICULATION)??

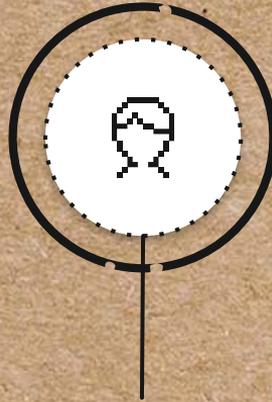
LANGUAGE??

Thoery of Mind - 3 Level s



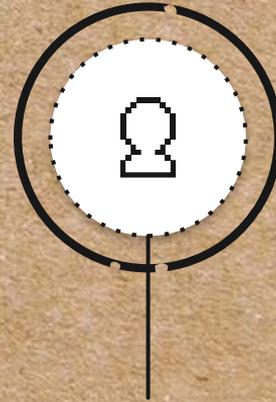
Precursors

Typically Age: 56 years old
Get a gift, feel happy



First Manifestations

Typically Age: 78 years old
A hurt person is laughing



More Advanced

Typically Age: 1-12 years old
Understanding humor

Hierarchy of tasks

(Wellman and Liu 2004)



Diverse Desires (DD)

Diverse Beliefs (DB)

Knowledge Access (KA)

Contents False Belief (FB)

Hidden Emotion (HE)

Sarcasm and Irony (SARC)

(Wellman et al, 2011; Wellman 2012)

Diverse Desires (DD)

Different people can want different things



Diverse Beliefs (DB)

Different people can have contrasting beliefs about the same thing



Knowledge access (ka)

Not seeing leads to not knowing



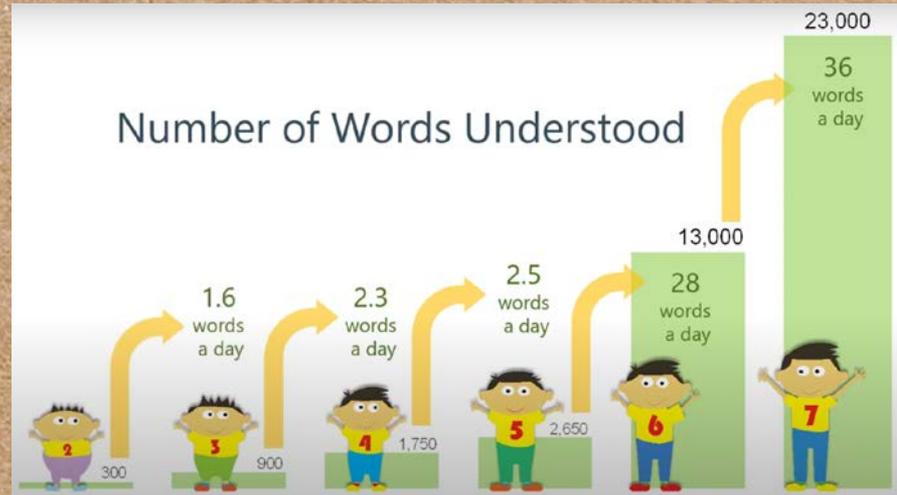
Contents false belief



Video

“The giraffes have short necks, right?”

Sabotage



Hidden emotion



IRONY

SARCASM

VS

“Lovely weather out today.”

“Great choice for an umbrella.”



Skills via
Auditory- Verbal
Therapy?

Intervention models



Ecological model

Typical social-linguistic models with high expectations.

Instructional intensity

Practice, practice, practice.

Families must be involved if sufficient instructional intensity is to be obtained.

方姑娘

媽媽

達

唔開心 😞

開心 😄 啦

傷心 😞

安慰你

唔唔開心

唔好開心
傷

無心機 😞 好失望 😞

唔好生氣
失望

任務

④ 因為想差雞蛋糖水，
但係長氣雞蛋！

③ 唔好解咁失望

⑥ 多謝你！你真係乖！

④ 同你
買雞蛋 去買雞蛋

⑦ 唔該你畀我買
一盒蛋！

① 唔容氣

⑧ 你唔
要變多隻

⑩ 放心，我現在去買





接龍 打招呼
識新朋友

Hello, 1
你好

一齊去第城 ✓

Nice ~~to~~ Meet You 2 ✓
to

How Are You? ✓

你在那兒上學?

牛扒

你今日有沒有去散步? ✓

一齊食飯好唔好?

書面語 □ 語



Goal 1:

Discuss other's
feelings

The gorilla is swinging by himself, maybe he feels
Lonely.

Goal 2:

Role play

I'm the zoo keeper • Feed Lion vs Bear

Goal 3:

Vocabulary exposure
think, feel, remember

Tucker Turtle Takes Time to Tuck and Think

A scripted story to assist with teaching the "Turtle Technique"

By Rochelle Lentini, University of South Florida
Updated 2007



Created using pictures from Microsoft Clipart® and Webster-Stratton, C. (1991).
The teachers and children videotape series: Dina dinosaur school. Seattle, WA: The Incredible Years.

Center on the Social
and Emotional Foundations
for Early Learning

Tucker now knows a new way to "think like a turtle" when he gets mad.



Step 1

He can **stop** and keep his hands, body, and yelling to himself!



Step 2

He can **tuck** inside his shell and take **3 deep breaths** to calm down.



Step 3

事件

停一停

冷靜

想一想

?
發生
什麼事?

STOP
我感到.....

尷尬
 生氣
 不安

5
4
3
2
1

我需要.....

休息
 抽下
 回家
 靜會

我要深呼吸

想一想

我為什麼有這種感受?

別人為什麼這樣做?

我現在可以

平靜說出來

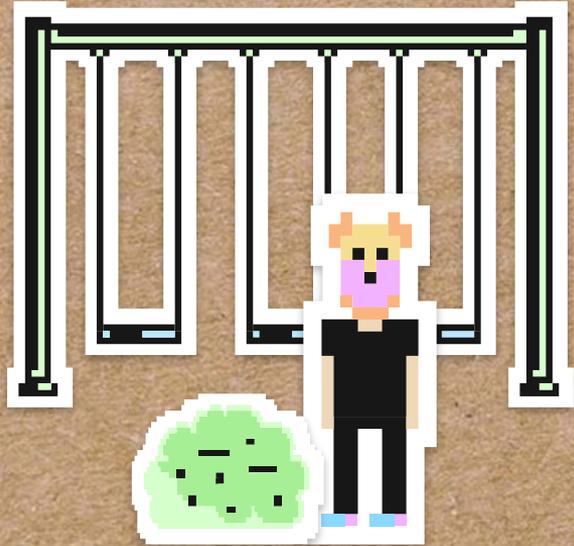
寫出來

2 1

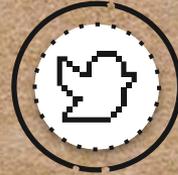
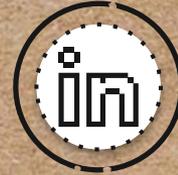
comment???

Feedback???





THANKS!



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