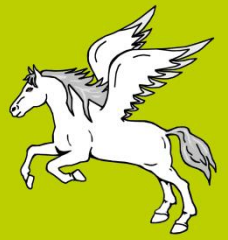


# Pegasus

Interaction, Play and Communication

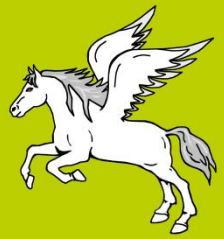


A communication material for children –  
in Rollltalk Designer



# Pegasus

Interaction, Play and Communication



The project found inspiration and background information from:

PENNSTATE  


*Janice Light & Kathy Drager*

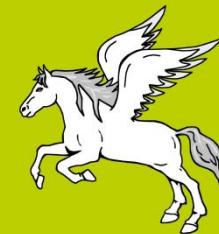
## Early Intervention

*for young children with autism, cerebral palsy,  
Down syndrome, and other disabilities*



# Pegasus

## Interaction, Play and Communication



**Input &  
inspiration**

Idé:  
Vi lager prosjekt hvor vi legger  
bløtt for aktiviteter for små barn.  
Inviterer med aktuelle fagmiljøer, som  
utfører det direkte arbeidet. Hyppige  
samlinger via videokonferanse. Vi distribuerer  
nytt innhold for hver gang. De kan  
enke se nye aktiviteter.

**Idea**



**Development**



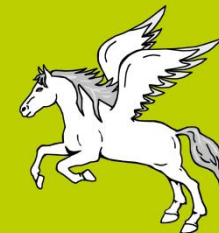
**Feedback**



**Result**

# Pegasus

Interaction, Play and Communication



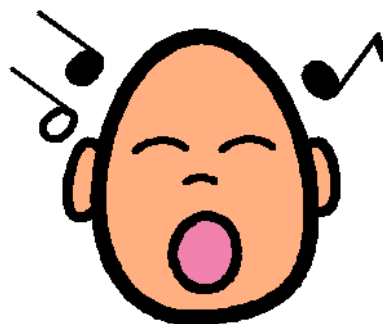
## Main menu

Innstillinger

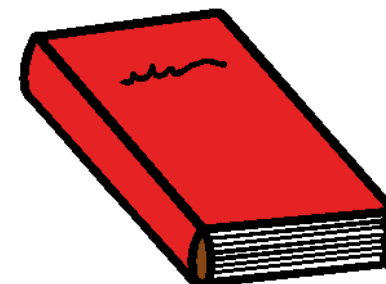
Aktiviteter



Sanger



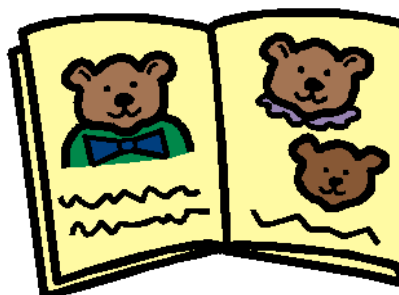
Bøker



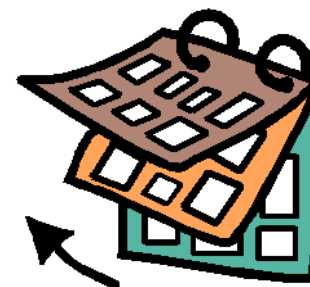
Rim og regler



Eventyr

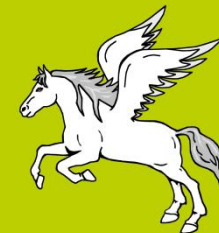


Annet



# Pegasus

Interaction, Play and Communication



## 15 activities

Ansikt



Ball



Ballonger



Bondegård



Borte - titt tei



Bygge tårn



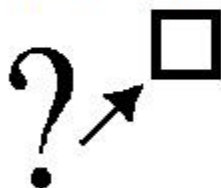
Dyrellyder



Farger



Hva er det?



Hvor stor er du?



Kile - kroppsdeler



Posisjoner



Såpebobler



Tegne



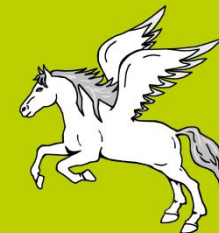
Tegne menneske





# Pegasus

Interaction, Play and Communication



## More than 20 songs

Bake bake søte



Bjørnen sover



Bæ bæ lille lam



Du har to øyne



En elefant kom marsjerende



Er du veldig glad og vet det



Hjulene på bussen



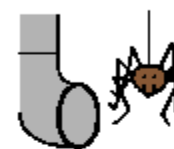
Hva sier den kua



Hvilken dag er det i dag



Lille Petter edderkopp



Lille pusekatt



Med krøllet hale



Mikkel rev



Per Olsen hadde en bondegård



Ro, ro til fiskeskjær



Ro, ro, ro din båt



Bukkene bruse



Se min kjole



Seks små ender



Tre små fisk



Olle Bolle

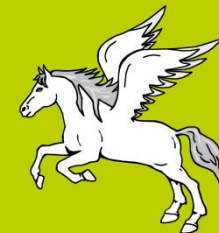


Hokus og pokus

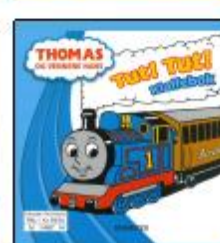
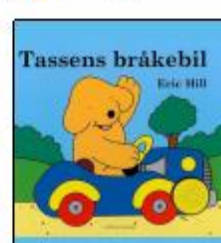
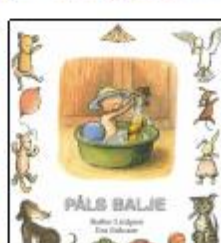
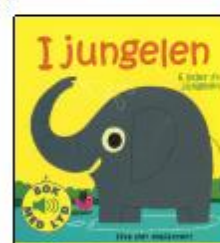
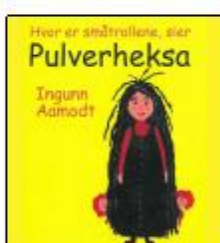
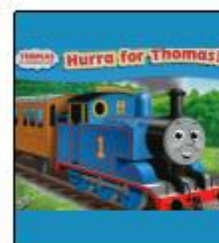
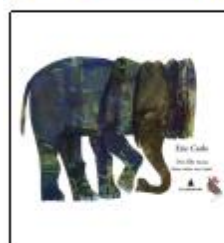
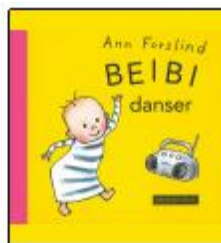
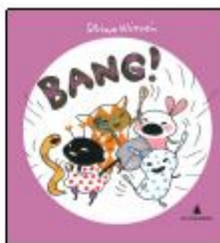
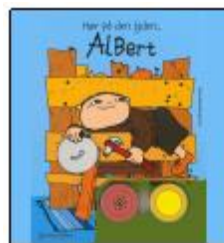


# Pegasus

Interaction, Play and Communication

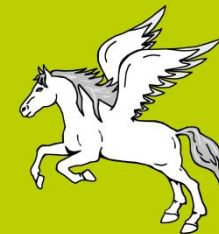


## More than 30 books



# Pegasus

Interaction, Play and Communication



## Rhymes

Banke på døren



Panneben



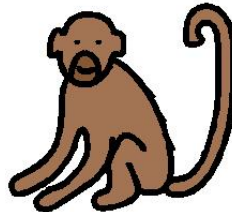
Tommeltott



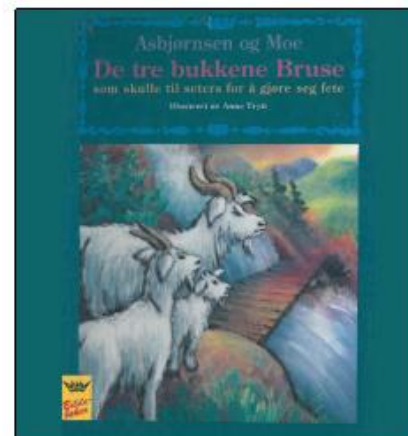
Tittil, tottil



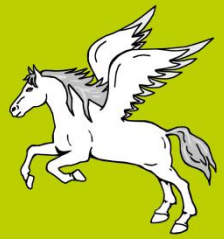
Fem små apekatter



## Fairy tales





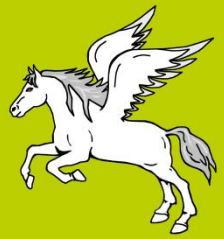


## Individual adaptation

- Select which content to use
- Choose level and layout for each activity/book/song
- Use personal pictures
- Do all the changes directly in Pegasus
  - No need for mouse and keyboard
  - No traditional editing mode
  - Minimal need for training before startup

# Pegasus

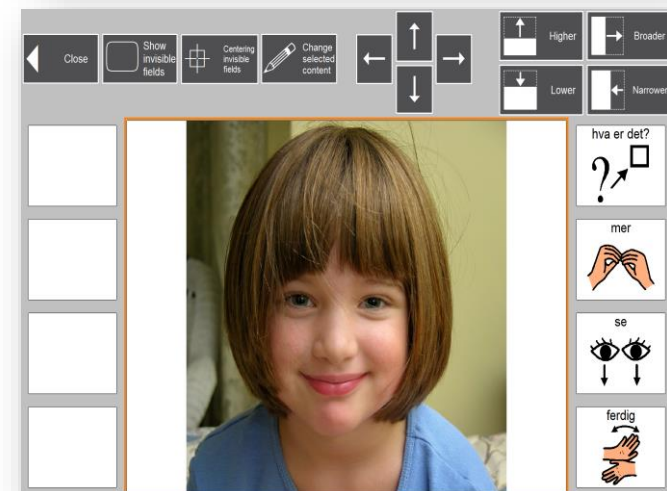
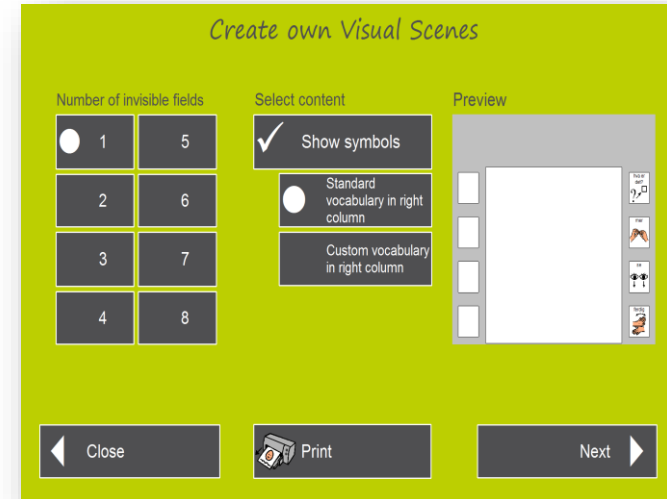
Interaction, Play and Communication



## Create Visual Scenes

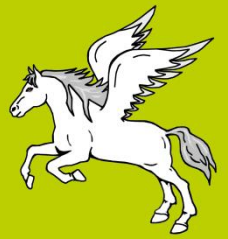
- Readymade templates for 15 visual scenes
- Use own pictures and symbols from symbol libraries
- Place and adjust transparent fields on top of the main picture
- Record sound
- Use on screen or print and use on paper

*Everything directly from Pegasus  
– no editing mode*



# Pegasus

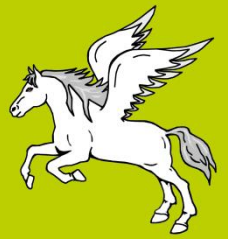
*Interaction, Play and Communication*



- 11 children from 11 months to 3 years
- Guiding the environments
- Response from the environment was essential for the program's design and content
- Booklet, DVD and website

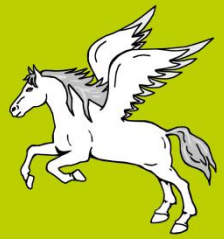
# Pegasus

*Interaction, Play and Communication*



- The facilitator is essential
  - The child's skills were not the key factor for Pegasus to be a helpful aid in play and for communication
- Pegasus is not a speech-training tool!!!!!!
- Communication and playing with help from Speech Generating Device is not intuitive
- Pegasus gave the child increased status in the children's group
- Early start is important





## Contact:

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Caroline Strømhylden

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[www.statped.no](http://www.statped.no)



ABILIA

[www.abilia.no](http://www.abilia.no)



Interaction, play and  
communication

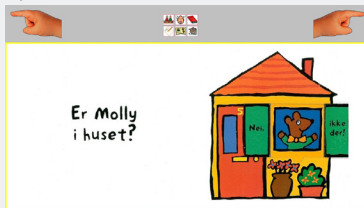
# Pegasus

a communication material for children,  
in Rolltalk Designer



## BOOK: Where is Maisy?

Visual Scene display «Hotspots» to activate - open and close



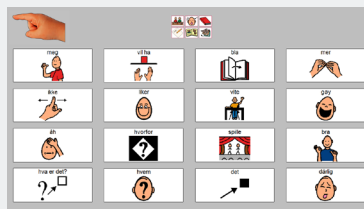
Hybrid (VSD with symbols)



Hybrid with «more words»



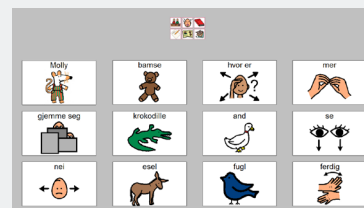
More words:  
Generic book reading vocabulary  
(C. Musselwhite)  
Choose between 9,16 and 32 words



Reading together



Grid





## PEGASUS

Researchers from Penn State University have achieved positive results when implementing VSD's early, along with a gradual transition to the more traditional symbol grids. Our Norwegian material is based upon the same principles.

Pegasus is the result of a project, between Statped (the national support system for special education), a local Child Habilitation Centre (Health sector) and Abilia (a company developing AAC systems) with contribution from 11 toddlers with complex communication needs and their communication partners. The research has also shown that children learn to communicate and use language best when actively participating in play with others, and not just by being passive spectators.

Pegasus gives the child an active role in the communication, an early start on interaction and play and an entrance to the Norwegian children's culture. All this through a collection of Norwegian children's songs, books and adventure, activities and rhymes.

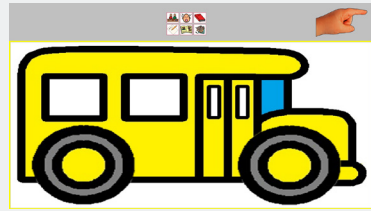
Pegasus can easily be adapted by using personal photos, and each activity, book, song etc comes in different versions with both visual scenes, hybrids and grids.

## Pegasus for whom?

Pegasus is designed for children who are at a stage of development equivalent to approximately 9 months to 3 years. The program does not require that the child has specific skills.

## SONG: Wheels on the bus

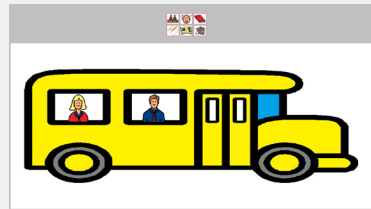
### Sequence



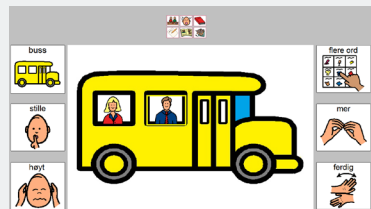
### Sequence with symbols



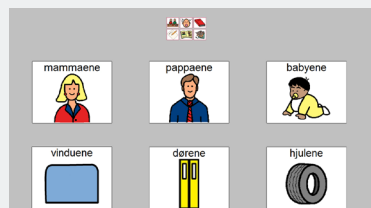
### Visual Scene display



### Hybrid (VSD with symbols)

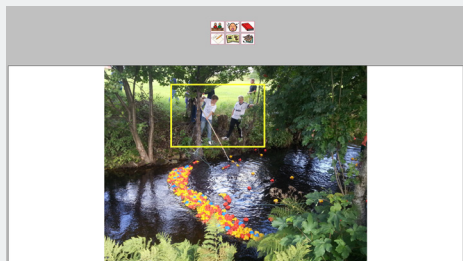


### Grid

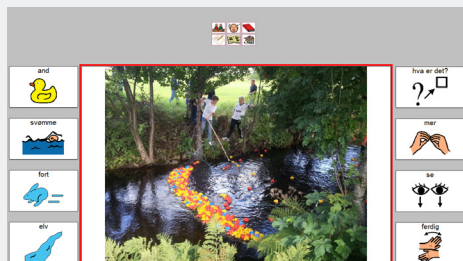




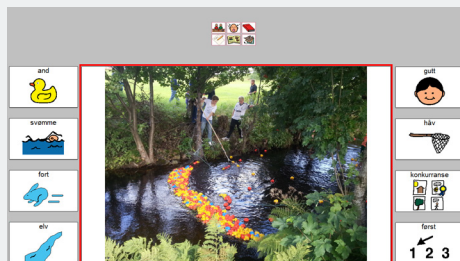
## MAKE YOUR OWN VISUAL SCENE:



Hybrid (VSD with symbols)



With more of your own words



PEGASUS provides the child

- An active role in the communication
- An early start on interaction and play
- An entrance to the Norwegian children's culture through a collection of Norwegian books, songs, fairy tales, activities and rhymes