Motivational Model

Do-be-feel-who List

Who (Roles)	Do (Functional Goals)	Be (Quality Goals)	Feel (Emotional Goals)
Student	Have a personalized robot's character	Active Funny	Motivated
	Get word suggestions tailored to his/her abilities by robot	Relevant	Attentive
	Have a age-appropriate robot's character		
	Have the audio accurately parsed into text	Interactive	Engaging
	The speech of educators and students are distinguished		
Educator	Have the audio accurately parsed into text	Interactive	Engaging
	The speech of educators and students are distinguished		
	Get a wider range of prompts responded by robot		
	Adapt robot's character	Flexible	Deversified
	Have a ChatGPT dialogue manager of the robot	Relevant, Comprehensive	Attentive
	Easily install, set up and run the CoWriter software on personal computer	Easy to use	Convenient
	Have CoWriter working on a simulated robot		
Developer	Read documentation for every class, method, and function used in the CoWriter software	Clear	Confident
	Have CoWriter program and its dependencies updated and built by ROS-noetic		
	Have Choose Adaptive Words package updated		
	Have Shape Learning library updated		
	Have Nao Writting package updated		
	Have Letter Learning Interaction ROS package updated		

Motivational model

Legend (top right):
- Who
- Do
- Be
- Feel
- Concern

Nodes:

Motivated

Active, Funniy

Have a personalized robot's character

Younger child

Attentive

Relevant

Get word suggestions tailored to his/her abilities by robot

Have a age-appropriate robot's character

Older chilld

Engaging

Interactive

Have the audio accurately parsed into text

Writing practice with Cowriter

Student

The speech of educators and students are distinguished

Get a wider range of prompts responded by robot

Flexible

Diversified

Adapt robot's character

Supervise and follow up on student progress

Development of NAO Cowriter with ChatGPT

Educator

Test and launch Cowriter system

Have a ChatGPT dialogue manager

Convenient

Easy to use

Easily install, set up and run the CoWriter

Have CoWriter working on a simulated robot

Confident

Clear

Read documentation for every class, method, and function in CoWriter

Develpoer

Subsequent development
and maintenance

Have CoWriter program
and its dependencies updated
and built by ROS-noetic

Have Choose Adaptive Words
package updated

Have Shape Learning
library updated

Have Nao Writting
package updated

Have Letter Learning
Interaction ROS package
updated