KOORING
Coding Adventure

Explore Funtastic VR Coding
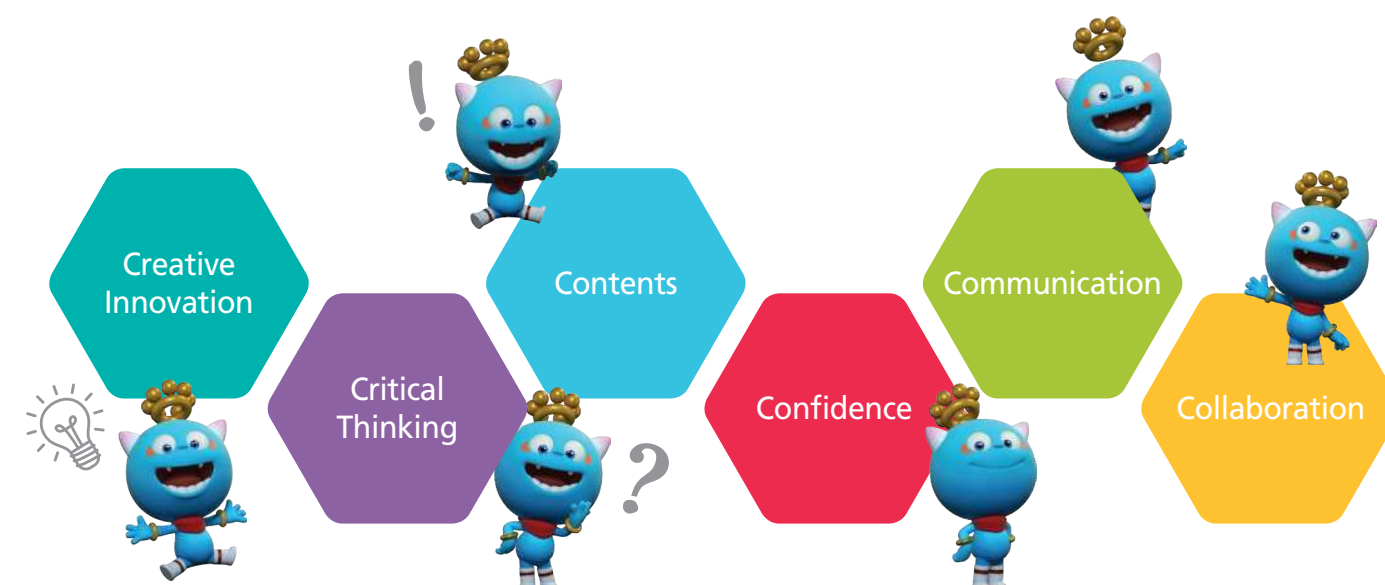
VRANI
Kids XR Edutainment

VRANI is

Kids XR Edutainment startup.
Our mission is to cultivate kids to become 21st century leaders.

In the 21st Century, analyzing situations to discover necessary knowledge and presenting creative ideas through collaborative teamwork are critical requirements of a leading individual.

Creative Innovation

Critical Thinking

Contents

Confidence

Communication

Collaboration

21st Century skills
Golinkoff, R. M., & Hirsh-Pasek, K. (2016)

VRANI VR Coding Education Contents
KOORING VR Coding Adventure

Help KOORING catch the troubled TOORING in the beautiful Block World! Fun games let you learn naturally from the basics of coding to its applications. Having fun playing block coding fosters logical thinking and creativity.

Learning Mate

Consolation and cheering, even when it's difficult! From the beginning to the end of learning, KOORING will be there for you as a wonderful learning partner.

Storytelling

Double the fun with the comical behavior of your characters!
Improve your concentration of learning with cartoon-like stories.

VR Debugging Learning System

From easy to difficult! A step by step system which focuses on systematic concepts through incremental repetitive learning.

KOORING
Coding Adventure

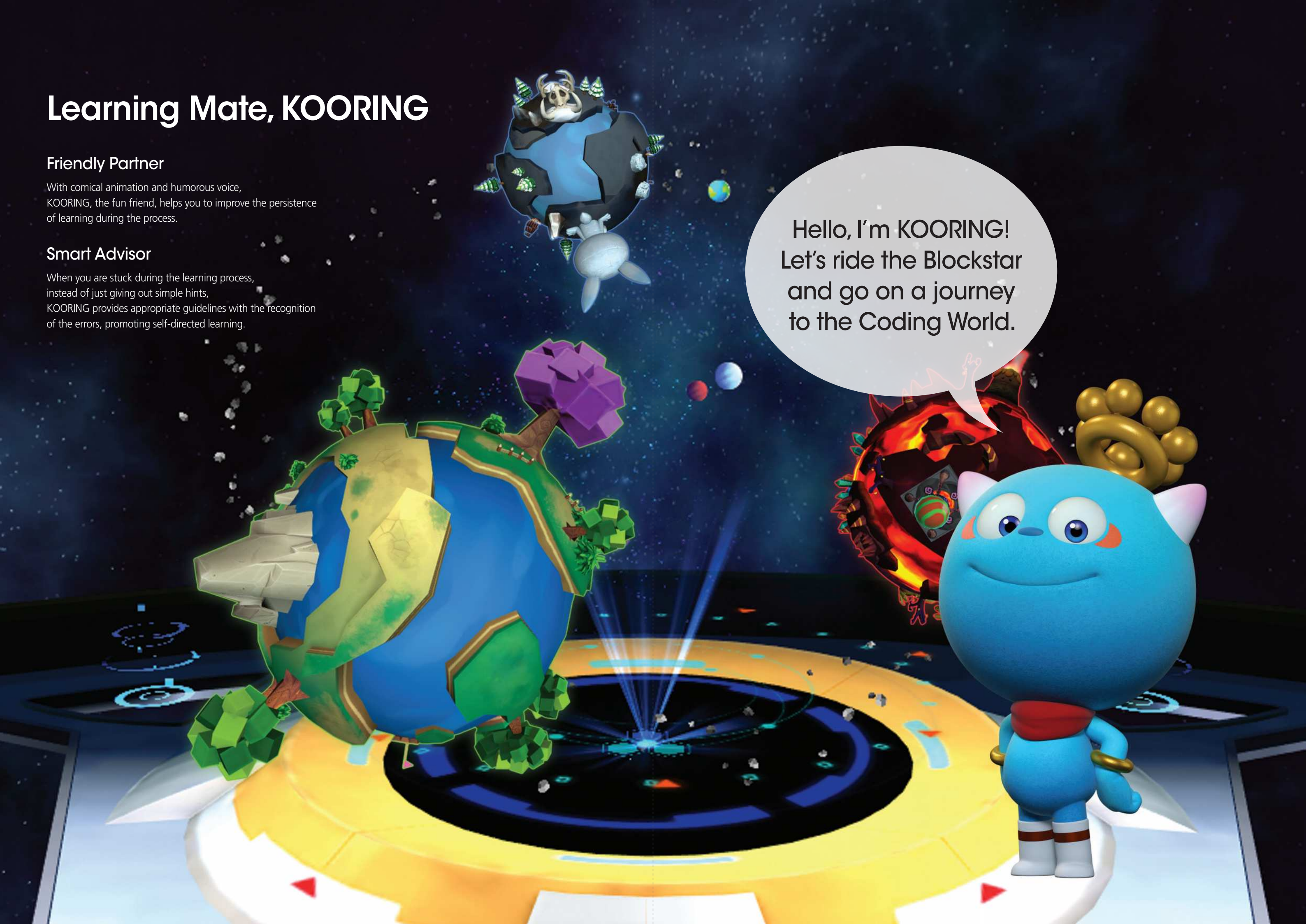# Learning Mate, KOORING

Friendly Partner

With comical animation and humorous voice,
KOORING, the fun friend, helps you to improve the persistence
of learning during the process.

Smart Advisor

When you are stuck during the learning process,
instead of just giving out simple hints,
KOORING provides appropriate guidelines with the recognition
of the errors, promoting self-directed learning.

Storytelling

Comical Characters

We maximized the gamification factors with cute characters such as mischievous KOORING and venturous TOORING and their witty animation.

Fun Story

All the learning processes are connected together as a single story which allows kids to learn naturally as if they're reading a fun comic book.

Episode #1 | Planet Grassland

All Command Blocks Are Mine!

KOORING found out the real TOORING's location through Grandpa-Tree of Life! Let's go on a journey in search of the Command blocks!

# of Sessions	18 sessions (10-15 min per session)
Level of Difficulty	★★☆
Learning Goal	• Basic Learning Learn the functions of the use of commands blocks. • Order Plan the algorithms to work the process in order.

Used Commands

Walk	Turn Left	Turn Right	Go on the Raft

Episode #2 | Planet Ice

We Found TOORING's Secret Base!

KOORING went to go find the last command blocks. And he discovers why TOORING suddenly changed…

# of Sessions	18 sessions (10-15 min per session)
Level of Difficulty	★★☆
Learning Goal	• Loop Find the pattern that repeats continuously, and demonstrate it in a simplest form. • Function Modify and apply to combine several command blocks into one.

Used Command

Turn Around	Clean up the Poop	Function	Loop

Episode #3 | Planet Lava

All the Candies in the World Are Mine!

The Witch planted the seed of evil in TOORING! But the Witch also had her own secret…

# of Sessions	18 sessions (10-15 min per session)
Level of Difficulty	★★★
Learning Goal	• Nested Loop Find the repeated pattern in loops, and demonstrate it in a simplest form. • Nested Function Build several command blocks and function into one function to simplify the entire code.

Used Commands

Function2	Loop2	Portal	Open the Magic Door

VR Debugging Learning System

Self-directed Learning

With KOORING's hints, from the easiest to the toughest, kids can learn independently without difficulties.

Expansion of Thinking

Expansion of thinking through an iterative process of identifying, correcting, and supplementing during problem-solving.

1 Fun & Easy
Identify the Problem

In an adventurous environment, KOORING guides kids to understand the problem.

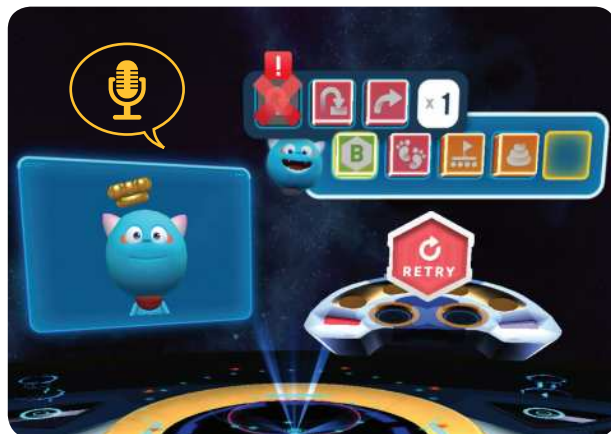Jump 2 times to the front, and the next is… Ok, let's go!

2 Immersed & Focused
Code through Planning

Kids can freely rotate in 360 degrees using the 'Ice Cream Cone', which makes the coding easier. This system also helps to improve kids' spacial perception ability.

'Jump, Jump, Teleport' It repeats 3 times!

3 Independent & In-Depth
Execute and Look Back

Kids can simulate in VR space, and look back to think about the process, which helps to self-evaluate their entire learning processes.

Hmm… Not enough coding spaces. What should I do?

Correction & Repetition until the problem is solved
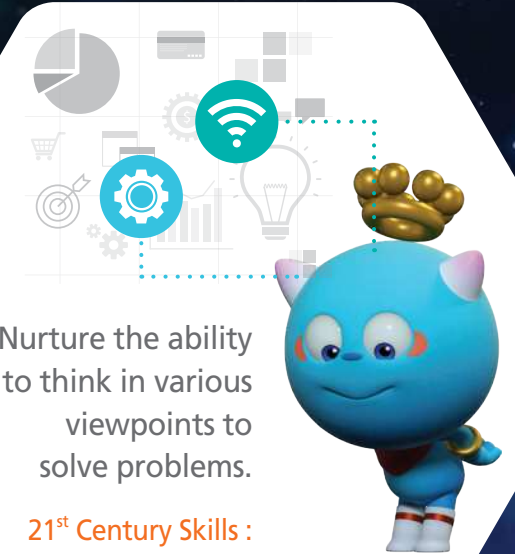
Following TOORING succeeded!!

KOORING VR Coding Adventure

The Highest Level of Immersion Brings The Highest Learning Effect!
Develop the 21st Century Skills necessary to become the 21st Century Leaders.

Learn how to program.

21st Century Skills :
Contents

Nurture the ability to think in various viewpoints to solve problems.

21st Century Skills :
Critical Thinking

Develop Self Confidence to believe in oneself, and overcome challenges.

21st Century Skills :
Confidence

Watch KOORING VR Coding Adventure Here!

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