



浙江大学湖州研究院
HUZHOU INSTITUTE OF ZHEJIANG UNIVERSITY
Artificial Intelligence and Robotics Education Research Center



NASHENBOT

Worksheet



AI Programming and Mathematical Interests

Artificial Intelligence Educational Robot Course

AI Robot Programming and Interest in Mathematics

Volume 1



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01 My Robot Friend

AI and STEAM	Knowledge points
Technology and Engineering Robot Building	<ol style="list-style-type: none">1. Varieties of robots and their composition2. Usage of motor modules3. Downloading and running programs
Course tasks	Course duration
Build your robot Interactive experience	90-120 Minutes

Student Learning Card

Name: _____

Class: _____

Scenario Introduction

Hello, little friends! Do you have good friends at school? Let's share our good friends with each other! Today, the teacher is going to introduce a new good friend to you, and he is a robot. What kind of robots have you seen before? What can the robots do?

Analysis and Production

First Challenge: Build Your Robot Friend Nana



Reflection and Optimization

Second Challenge: Interactive Experience

The teacher has prepared a program here. Please follow the teacher to open it and download it into Nana's brain. This program is designed to make Nana stop when encountering obstacles. Now, let's interact with him.

Extended Exploration

The school is preparing to host a relay obstacle race where the track will be marked with tape on the ground. Some children will use balls to guide Nana along the track, while others will navigate randomly placed obstacles on the course and continue forward. Participants can form teams and compete to see who reaches the finish line first!

