

Make Your Dream Come True!

東京都立六洲工科高等学校

ROKUGO KOKA HIGH SCHOOL

School Guide

Product Course

Automobile Course

System Course

Design Course

Dual System Course

/ pick up! /

Bicycle Safety Model School

Start from April 2021

The new course opened to study advanced technology including AI systems and e-sports in educational cooperation with Nippon Engineering College in 2020.

MONOZUKURI, the manufacturing is fun and exciting. Why don't you acquire skills required by the global society to aim for an active international "ENGINEER"?

The students experience well-balanced input and output. Their acquired knowledge takes shape. Rokugo Koka high school has not only lessons in a classroom but also many kinds of practical training. They gain knowledge (input) in a classroom or lecture room and

shape it (output) in a practical training room or workshop. They put their ideas into shape using machines and/or PC, color their works, and sometimes create work out of an image in their mind, feeling the weight of the work and a tool.

Curriculum

Product/Automobile/System/Design Courses

1st Grade

Contemporary Japanese Language, Language Culture, Public, Mathematics I, Science and Our Daily Life, Physical Education, Health, Music I, English Communication I, Social Education, Working and Living, Basic Industrial Technology, Industrial Information Technology, and Mathematical Science, Course compulsory subjects, LHR

2nd Grade

Japanese Language (Logic), Modern and Contemporary History, Mathematics A, Basic Physics, Physical Education, Health, English Communication II, Basic Home Economics, Course compulsory subjects, LHR

**In addition, each course has a variety of elective subjects according to its curriculum.*

3rd Grade

Japanese Language (Logic), Geography, Physical Education, English Communication II, Course compulsory subjects, LHR

**In addition, each course has a variety of elective subjects according to its curriculum.*

Dual System Course

1st Grade

Contemporary Japanese Language, Language Culture, Public, Mathematics I, Physical Education, Health, Music I, English Communication I, Social Education, Working and Living, Basic Industrial Engineering, Drawing, Industrial Information Technology, and mathematical Science, Basic Exercise, Internship, LHR

2nd Grade

Japanese Language (Logic), Modern and Contemporary History, Mathematics I, Science and Our Daily Life, Physical Education, Health, English Communication II, Basic Home Economics, Industrial Basic Practical Training (Long-term Vocational on-the-job Training: One Month in the first semester), Industrial Advanced Practical Training (Long-term Vocational on-the-job Training: One Month in the second semester), LHR

Mechanical Course Electives: Mechanical Design, Mechanical Practical Works

Electrical Course Electives: Electrical Circuit, Electrical Practical Works

3rd Grade

Japanese Language (Logic), Geography, Mathematics A, Basic Physics, Physical Education, English Communication II, Project Studies, Basic Home Economics, Industrial Practical Training Application (Long-term Vocational on-the-job Training: One month in the first semester), Industrial Practical Training Development (Long-term Vocational on-the-job Training: One month in the second semester), Business Management Introduction, LHR

Mechanical Course Electives: Practice (Mechanical Practice), Mechanical Design

Electrical Course Electives: Practice (Electrical Practice), Electric Circuit

Elective subject

**Some are subject to changes.*

1st Grade

General Subjects Volunteer Work, JSL (Japanese as a Second Language)

2nd Grade

Technical Subjects Information Technology, Hardware Technology, Processing Technology Application, Labor and Safety, Product CAD Exercise, Indoor Wiring Construction Technology Application, Basic Information Technology, Electronic Engineering and Construction Exercise, Color-Coordination Exercise, Drawing, Graphic Design Practice

General Subjects Ethics, Mathematics II, Mathematics B, Basic Chemistry, Music II, Art I, Calligraphy I, English Logic and Expression I, Basic Japanese Language, Lifelong Physical Education, Volunteer Work

3rd Grade

Technical Subjects Information Technology, Hardware Technology, Automobile Engineering, Design History, Processing Technology Application, 3D CAD Exercise, Motor Vehicle Law & Ordinances, Indoor Wiring Construction Technology Practical Application, Basic Information Technology, Electronic Circuit Practical Exercise, Color-Coordination Exercise, and Drawing

General Subjects Advanced Japanese History, Advanced World History, Ethics, Politics and Economy, Mathematics II, Mathematics III, Mathematics B, Mathematics C, Advanced Physics, Basic Chemistry, Advanced Chemistry, Music III, Art II, Calligraphy II, English Logic and Expression I, Practical Japanese Language, Developed Japanese Language, Mathematics Exercise, Physics Exercise, Lifelong Physical Education, English Exercise, Cooking, Growth and Childcare, Volunteer Work

Product Course

Mechanical Technology



Master the basic knowledge and skills of MONOZUKURI!

Focusing on mechanical technology, students learn the basics to make a PRODUCT. They acquire knowledge and skills of MONOZUKURI through various manufacturing machines/devices and mechanical technology methods.

Course Patterns

Mechanical Technology

Students learn the basic knowledge and skills of MONOZUKURI, how to “Cut,” “Sharpen,” “Melt,” “Weld,” “Bend,” and “Polish” metals.

Also, students learn the knowledge and skills of drawing necessary for MONOZUKURI in the subject "Mechanical Drawing". They design and draw through CAD (Computer Aided Design).

Furthermore, they operate CAM (Computer Aided Manufacturing) to load data drawn through CAD and manufacture products.

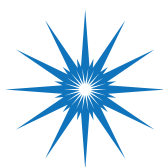


**Target
qualifications**

Mechanical Drawing Proficiency Test Certificate
Gas Welding Skills Training Course Certificate
Arc Welding Skills Training Course Certificate
Machining Processing Technician License
Hazardous Material Engineer License, etc.

Automobile Course

Automotive Engineering



Learn the automobile system which incorporates devices and parts.!

Automobiles are indispensable to our lives. The automotive business is one of Japan's key industries. Automotive engineering is a combination of mechanical, electrical, and material sciences. In this course, students learn the basics of automotive engineering.

Course Patterns

Auto Mechanic Course

Learning automobile skills, students set a goal to obtain a Class 3 Auto Mechanic License. After graduation, they are expected to work in the car industry and related businesses or take engineering courses in college.

Auto Mechanic Course

Focusing on making FRP bodies, i.e., cowling, the students acquire practical knowledge and skills of car engineering. After graduation, they are expected to work in the car industry and related businesses or take engineering courses in college.



**Target
qualifications**

Class 3 Auto Mechanic License
Gas Welding Skills Training Course Certificate
Electric Car Mechanic Special Education Course Certificate
Arc Welding Skills Training Course Certificate, etc.

System Course

Electrical System and Information Technology



Learn the electrical system and information technology supporting our daily life!

Electrical and Information technologies are applied to all kinds of fields in the current living environment and industrial society. In the System Course, the students learn the wide fields: power generation/transmission/distribution, network, electronic circuits, and computer information technology.

Course Patterns

Electrical System

Students learn the basics of electricity (e.g. motor function, power generation) and electronics. All students are expected to acquire an Electrician License. After graduation, they can obtain the Electrical Chief Engineer License by gaining on-the-job experience.

Computer System

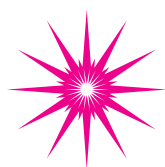
Students learn the basics of hardware and software in computer information technology. After graduation, they are expected to work as a computer engineer or network engineer or take engineering courses in college.



*Target
qualifications*

First and Second Class Electrician License
Second Class Digital Communication License
Calculation Technique Certificate
Information Processing Certificate
IT Passport
Basic Information Technician License, etc.

Design Course



Master design technique to enrich human life!

Design, which is related to all fields of our life, enriches us with joy. In the Design Course, students select a course (Visual Design course or Product Design course) to master knowledge and technique in the field for three years.

Course Patterns

Visual Design Course

Students learn basic skills to make posters and brochures. Furthermore, they learn about photography, video technology, animation technology, and Web design techniques. They are expected to work in graphic design fields or take graphic design courses in college.



Product Design

Students learn the basic design techniques for industrial products. Furthermore, they learn the design of glass, metal, jewelry, and pottery. They are expected to work in industrial design fields or take industrial design courses in college.



**Target
qualifications**

Color Coordination Test Certificate
Graphic Design Test Certificate, etc.

Dual System Courses



Become a professional of Japanese “MONOZUKURI” through hands-on training at participating companies!

Internship Activities

Learn both authentic skills and techniques through real on-the-job practical work experiences at companies!

Students receive direct on-the-job training from working alongside industry professionals. Students receive personalized training depending on their talents and abilities and are encouraged to further develop the skills they already have. Students can easily join the workforce directly after graduation!

Learning Contents

Learn Mechanical Engineering and Electrical Engineering useful for future employment!

After learning important basic mechanical and electrical knowledge and skills, students choose a course (Mechanical Course or Electrical Course) in the second grade and acquire qualifications and licenses (ex. Machining Technician, Electrician) which are useful for finding jobs.

In addition, through company tours and internships after business manner training, students will learn how to effectively work by talking directly with company employees and receiving on-the-job training. Such experiences are very helpful for them to choose where to go after graduation.



Mechanical Drawing



Vehicle Maintenance



Electrical Practical Training



Manner Practical Training

Target qualifications

Machining Technician License , First/Second class Electrician License
Drawing Proficiency Test Certificate , Hazardous Material Engineer License
Calculating Technique Certificate , Gas Welding Skills Training Certificate, etc.

School Features

Educational Goals

The two educational goals are “to cultivate human resources who recognize the importance of greetings and act politely as professionals” and “to establish academic ability to pass examinations for employment.”

Credit System Technical School

Rokugo Koka High School was established as the first technical high school with a credit system in Tokyo. Students can choose their necessary subjects from a variety of electives according to their career plan,

Cultivating MONOZUKURI human resources in cooperation with companies

In Dual System Course, students do an internship and long-term on-the-job vocational practical training. In the other four technical courses, students experience company tours and internships.

Electives Shared by Full-time schooling system and Part-time schooling system

Students in the Full-time schooling system and Part-time schooling system share some elective classes. Teachers in both schooling systems do their best to support each student's dream.

Active Learning Lessons

We carry out “Understandable Lessons” and “Active Lessons” so that students can achieve enough academic abilities to pass employment examinations.

JSL (Japanese as Second Language) Class for students connected to foreign countries

Students who are connected to foreign countries take a JSL (Japanese as a Second Language) class conducted by NPO corporation “IWC (Interact With Community)” from 15:00 to 17:00 every Monday, Tuesday, Thursday, and Friday.



▲ Map



▲ HP

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