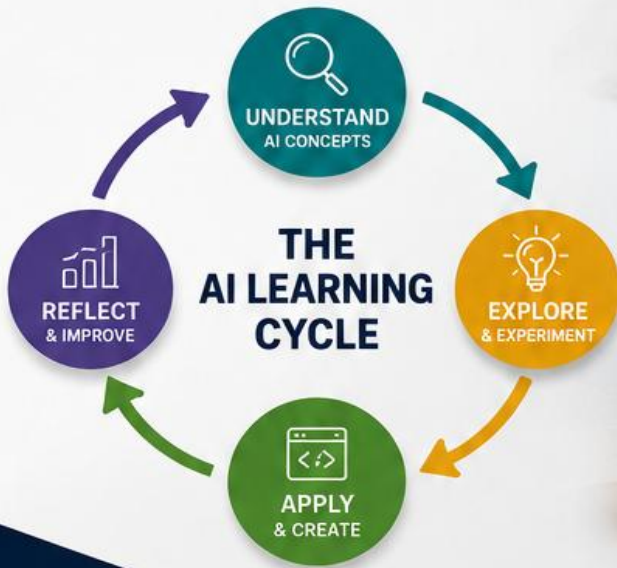




AI CURRICULUM SAMPLE RESOURCE PACK

A COMPLETE CURRICULUM PACKAGE
EMPOWERING STUDENTS WITH
ARTIFICIAL INTELLIGENCE SKILLS
FOR THE FUTURE



**EMPOWERING MINDS.
ENHANCING SKILLS.
INSPIRING FUTURES.
BUILDING TOMORROW.**



CURRICULUM
SUPPORT



PRACTICAL
PROJECTS



ASSESSMENT
EXAMPLES



REAL-WORLD
APPLICATIONS



DEVELOPED BY

Mr. Nouredine Tadjerout
International Education Consultant

*Equipping learners with the knowledge
and skills to thrive in an AI-driven world.*

WELCOME TO THE AI CURRICULUM SAMPLE

This sample demonstrates how NT Education Solutions supports schools in delivering modern Artificial Intelligence education from beginner to advanced level.

IT INCLUDES:

- ✓ Curriculum Overview
- ✓ Lesson Plans
- ✓ Activities
- ✓ Assessment
- ✓ Worksheets
- ✓ Projects
- ✓ Teacher Notes

“

*Preparing today's learners
for tomorrow's
AI-powered world.”*

”



MODERN & RELEVANT

Aligned with the latest AI trends and skills.



PRACTICAL & ENGAGING

Hands-on activities and real-world applications.



STUDENT-CENTERED

Encourages curiosity, creativity and critical thinking.



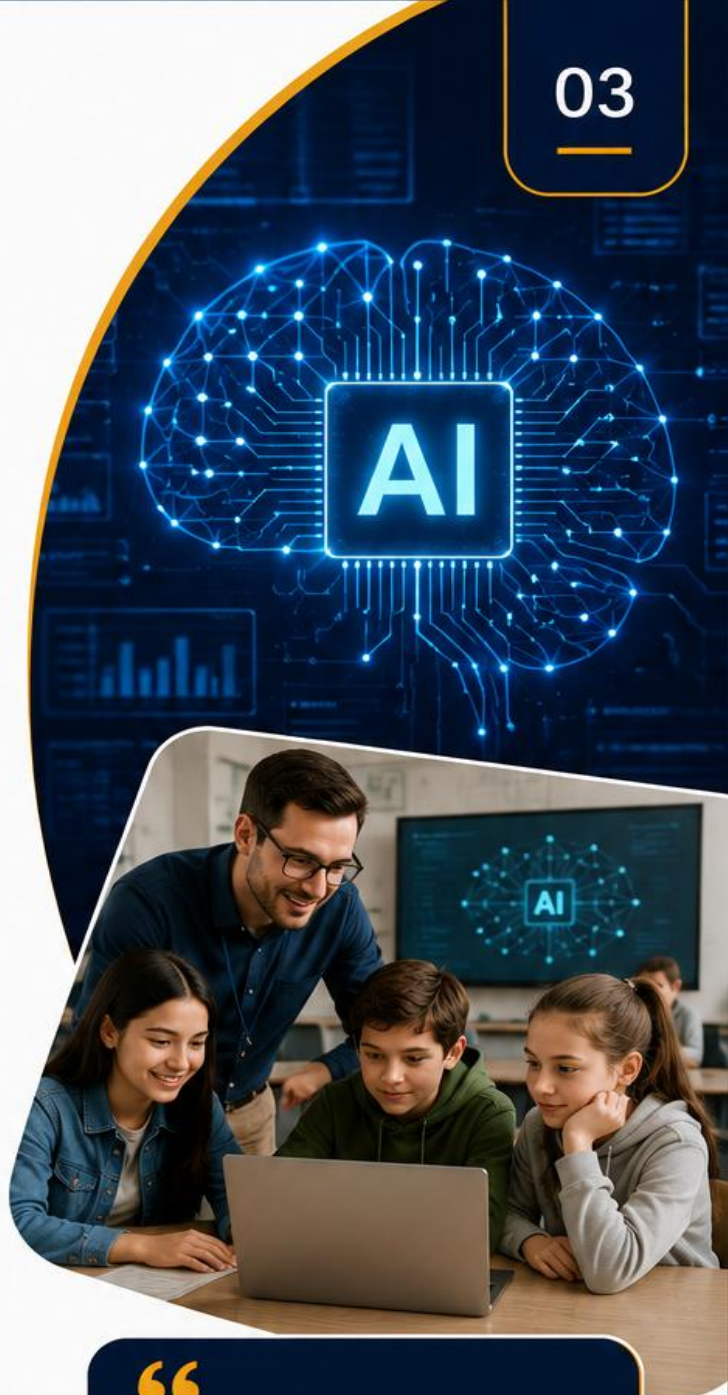
FUTURE-FOCUSED

Preparing learners for an AI-driven world.



CONTENTS

Explore the complete AI Curriculum Sample Resource Pack. Each section is designed to support effective teaching and engaging learning experiences.



01	 Curriculum Overview	04
02	 AI Progression Map	05
03	 Year 7 Lesson	06
04	 Year 8 Lesson	07
05	 AI Ethics	08
06	 Python Activity	09
07	 Machine Learning Activity	10
08	 Assessment Example	11
09	 Student Worksheet	12
10	 AI Project	13
11	 Teacher Notes	14
12	 Resources	15
13	 Contact	16
14	 Back Cover	17

“

*A structured journey from understanding AI to **creating** real-world impact.*

”



COMPLETE CURRICULUM

Comprehensive coverage for all key AI concepts.



PRACTICAL & ENGAGING

Hands-on activities that inspire curiosity.



SKILLS FOR THE FUTURE

Build critical thinking, creativity and problem solving.



STUDENT FOCUSED

Designed to engage and empower every learner.



REAL-WORLD APPLICATIONS

Connect AI learning to real-life scenarios.



CURRICULUM OVERVIEW

Our AI Curriculum is designed to build strong foundations, develop critical skills and empower learners to thrive in an AI-driven world.



VISION

To empower every learner with the knowledge, skills and mindset to understand, use and shape Artificial Intelligence responsibly and creatively.



GOALS

- Build AI literacy from early years to advanced study
- Develop computational thinking and problem solving
- Encourage ethical and responsible use of AI
- Prepare students for future education and careers



PROGRESSION

A clear learning journey from Year 7 to IB Diploma, progressing from understanding AI concepts to applying advanced techniques in real-world contexts.



SKILLS DEVELOPED

- Critical thinking & problem solving
- Data literacy & analysis
- Programming & automation
- Machine learning & modelling
- Creativity & innovation
- Collaboration & communication
- Ethics & responsible AI use



AI CURRICULUM ROADMAP



YEAR 7

Foundations of AI

- What is AI?
- AI in everyday life
- Basic programming
- Digital skills



YEAR 8

Building Skills

- Data & algorithms
- Python programming
- AI tools & applications
- Problem solving



YEAR 9

Exploring AI

- Machine learning basics
- Data analysis
- Projects & collaboration
- Ethical AI



IGCSE / KEY STAGE 4

Deepening Knowledge

- Advanced programming
- Machine learning models
- Data visualisation
- Real-world applications



IB DIPLOMA / KEY STAGE 5

Advanced AI Studies

- Deep learning
- AI research & innovation
- AI in society & ethics
- Independent projects



Empowering learners to innovate, solve problems and create impact in an AI-powered future.

OUR CURRICULUM EMPOWERS LEARNERS TO:



THINK CRITICALLY

Analyse, evaluate and make informed decisions.



CREATE SOLUTIONS

Design and build AI-powered projects and prototypes.



COLLABORATE

Work effectively in teams to achieve shared goals.



ACT RESPONSIBLY

Understand ethical considerations and global impact.



PREPARE FOR THE FUTURE

Develop skills for higher education and future careers.



AI PROGRESSION MAP

A clear learning journey that builds knowledge, skills and confidence at every stage – from foundational understanding to advanced AI applications.

CORE AI CONCEPTS



AI & MACHINE LEARNING

Understand how AI works and learn the basics of machine learning.



PROGRAMMING

Build coding skills using Python and develop computational thinking.



NEURAL NETWORKS

Explore how neural networks learn patterns and make predictions.



DATA & ANALYTICS

Collect, organise and analyse data to extract meaningful insights.



AI APPLICATIONS

Apply AI in real-world situations to solve problems and create solutions.



A JOURNEY OF GROWTH AND DISCOVERY



YEAR 7

FOUNDATIONS OF AI

- What is AI?
- AI in everyday life
- Basic algorithms & logic
- Introduction to Python
- Digital literacy & ethics



YEAR 8

BUILDING SKILLS

- Data & algorithms
- Python programming
- AI tools & applications
- Problem solving projects
- Responsible use of AI



YEAR 9

EXPLORING AI

- Machine learning basics
- Data analysis & visualisation
- AI project & collaboration
- AI ethics & society
- Design thinking



IGCSE / KEY STAGE 4

DEEPENING KNOWLEDGE

- Advanced programming in Python
- Machine learning models
- Data handling & SQL basics
- AI applications in real life
- Coursework & assessment



IB DIPLOMA / KEY STAGE 5

ADVANCED AI STUDIES

- Deep learning & neural networks
- AI research & innovation
- Big data & cloud computing
- AI in society, business & ethics
- Independent projects & IA/EE



Each stage builds on the previous one, empowering students to become **confident**, **responsible** and **innovative** creators in an AI-driven world.

EMPOWERING LEARNERS TO:



THINK CRITICALLY

Analyse, question and solve real-world problems.



CREATE SOLUTIONS

Use AI and technology to design meaningful solutions.



COLLABORATE

Work together, share ideas and achieve common goals.



ACT RESPONSIBLY

Understand ethical implications and create positive impact.



PREPARE FOR THE FUTURE

Build future-ready skills for higher education and careers.



YEAR 7

SAMPLE LESSON

INTRODUCTION TO ARTIFICIAL INTELLIGENCE



TOPIC:

WHAT IS ARTIFICIAL INTELLIGENCE?



LEARNING OBJECTIVES

- ✓ Define Artificial Intelligence (AI).
- ✓ Identify examples of AI in everyday life.
- ✓ Understand how AI helps people solve problems.
- ✓ Discuss the potential benefits and challenges of AI.



STARTER (10 MINUTES)

- Show students a series of images (voice assistants, self-driving cars, recommendation systems, robots).
- Ask: "What do these have in common?"
- Introduce the lesson question: *"What is Artificial Intelligence?"*



MAIN ACTIVITY (30 MINUTES)

- Explain AI in simple terms: "AI is when computers are taught to think, learn and make decisions."
- Students work in pairs to sort real-world examples into: AI / Not AI / Unsure.
- Class discussion: How does AI learn?
- Mini activity: Train a simple AI using a no-code tool (Teachable Machine / Google Experiments).



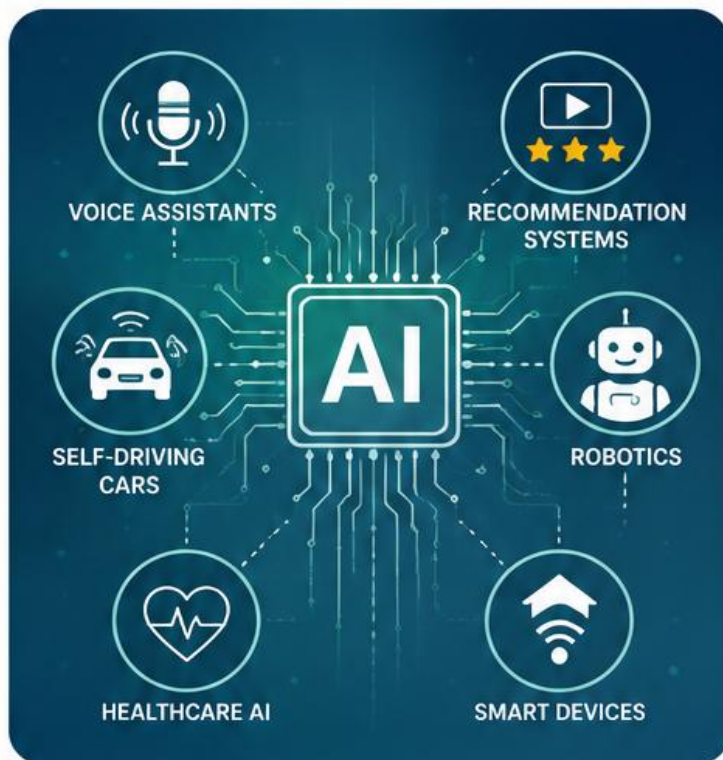
PLENARY (10 MINUTES)

- Students share one new thing they learned.
- As a class, create a mind map: "What is AI?"
- Discuss: Where do you think we will see AI in the future?"



ASSESSMENT

- Exit ticket: Answer 2 quick questions
- Oral questioning during activities
- Review mind map contributions
- Short quiz next lesson



KEY VOCABULARY

Artificial Intelligence (AI)	Machines that can think, learn and make decisions.
Algorithm	A set of steps to solve a problem.
Data	Information used to teach AI.
Machine Learning	A type of AI that learns from data.
Prediction	A guess made by AI based on what it has learned.

REAL-WORLD EXAMPLES

Netflix recommendations	Google Maps traffic updates	Siri / Alexa voice assistants	Spam filters in email



THINK AND DISCUSS

- Can AI replace humans in all jobs?
- How can we make sure AI is used responsibly?
- What are the benefits and risks of AI?

YEAR 8

SAMPLE LESSON

INTRODUCTION TO MACHINE LEARNING



LEARNING OBJECTIVES

- ✓ Understand what Machine Learning (ML) is.
- ✓ Explain the difference between classification and prediction.
- ✓ Use training data to build a simple model.
- ✓ Make predictions using a trained model.
- ✓ Evaluate the accuracy of the model.



STARTER (10 MINUTES)

- Ask: Where do we see AI making predictions in real life? (e.g., Netflix suggestions, spam filters, self-driving cars, weather forecasts)
- Show a short video or animation explaining how ML learns from data.



MAIN ACTIVITY (35 MINUTES)

- 1 Introduction to Concepts**
 - Explain: Training Data, Features, Labels, Classification, Prediction.
- 2 Hands-on Activity**
 - Use Google Teachable Machine or Microsoft ML for Kids.
 - Dataset: Classify images (Cats vs Dogs).
- 3 Steps**
 - Collect/Use training images.
 - Train the model.
 - Test with new images.
 - Make predictions.
- 4 Discuss Results**
 - Why did the model get some wrong? How can we improve it?



PLENARY (10 MINUTES)

- Students share what they learned.
- How can more data improve predictions?
- Exit ticket: Define "training data" and give one example.



ASSESSMENT

- Observation during activity
- Completed worksheet
- Mini quiz (5 questions)
- Evaluation of model accuracy



TOPIC:

MACHINE LEARNING – CLASSIFICATION & PREDICTION

HOW MACHINE LEARNING WORKS



CLASSIFICATION

(Categorise items)



CAT



DOG

PREDICTION

(Predict a value or outcome)



25°C



16°C



22°C

KEY VOCABULARY

Machine Learning	A type of AI that learns from data.
Training Data	Data used to teach the model.
Classification	Predicting a category or class.
Prediction	Predicting a value or outcome.
Model	The system that makes predictions.
Accuracy	How correct the predictions are.

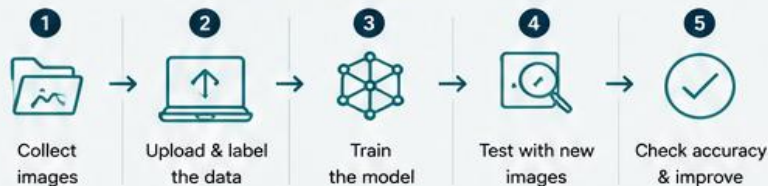


THINK AND DISCUSS

- What is the difference between classification and prediction?
- Why is training data important?
- How could ML be used to help solve a real problem?

SIMPLE PRACTICAL ACTIVITY

CLASSIFYING ANIMALS (CATS VS DOGS)



EXTENSION IDEAS

- Try a different dataset (fruits, vehicles, emotions).
- Compare results with your classmates.
- Explore how more data affects accuracy.



AI ETHICS

MAKING RESPONSIBLE CHOICES IN AN AI-POWERED WORLD

As AI becomes part of our everyday lives, it is essential to use it responsibly, fairly and ethically. Understanding the impact of AI helps us build a better future for everyone.

KEY ETHICAL TOPICS



BIAS & FAIRNESS

AI systems learn from data. If data contains bias, AI can make unfair or discriminatory decisions.

Example: Facial recognition with higher error rates for some groups.



PRIVACY & DATA PROTECTION

AI often uses personal data. Protecting privacy and obtaining consent is crucial.

Example: Health apps collecting sensitive information.



DEEPFAKES & MISINFORMATION

AI can generate realistic fake videos, images or audio that can be used to mislead or harm.

Example: Fake news videos or impersonation.



RESPONSIBLE AI USE

AI should be transparent, safe and used to benefit people and society.

Example: AI used for education, accessibility and climate solutions.

PRINCIPLES OF ETHICAL AI

- ✓ **Fairness** – Treat everyone equally
- ✓ **Transparency** – Be clear and explainable
- ✓ **Privacy** – Protect personal information
- ✓ **Accountability** – Take responsibility
- ✓ **Safety** – Do no harm
- ✓ **Beneficence** – Do good and promote well-being



REAL-WORLD EXAMPLES



Hiring Tools

AI tools that screen CVs may favour certain schools or backgrounds.

Ethical Action:
Use fair and diverse data.



Healthcare AI

AI can help detect diseases early.

Ethical Action:
Protect patient data and ensure accuracy.



News & Media

AI can spread fake information quickly.

Ethical Action:
Verify sources and think critically.



Environment

AI can help solve climate problems and save resources.

Ethical Action:
Use AI for the greater good.



THINK & REFLECT

- Can AI ever be completely unbiased?
- Who is responsible when an AI makes a mistake?
- How can we ensure AI respects privacy?
- What kind of future do we want AI to help create?



“ Ethical AI is not just about smart machines, it's about better lives. ”



Ethical AI is **everyone's responsibility** – developers, teachers, students and users. Together, we can build a future where AI empowers humanity.



PYTHON ACTIVITY

BUILD YOUR OWN AI!

Use your Python skills to create a simple AI application.
Choose one of the activities below.

CHOOSE YOUR CHALLENGE



SIMPLE CHATBOT

Create a basic chatbot that can reply to user questions.

OR



ROCK PAPER SCISSORS AI

Build an AI that plays Rock Paper Scissors against the user.



LEARNING OBJECTIVES

- ✓ Use Python to solve a problem.
- ✓ Understand input, output and decision making.
- ✓ Create a simple algorithm.
- ✓ Improve creativity and logical thinking.



ALGORITHM (Example: Chatbot)

- 1 Greet the user.
- ↓
- 2 Ask the user a question.
- ↓
- 3 Get the user's input.
- ↓
- 4 Check the input.
 - If it matches a known answer, reply.
 - If not, give a default response.
- ↓
- 5 Ask if the user wants to continue.
- ↓
- 6 Repeat until the user says "bye".
- ↓
- 7 End the conversation.



CODE SNIPPET (Simple Chatbot)

```
1 print("🤖 AI Chatbot: Hello! I am your assistant.")
2 print("Type 'bye' to end the chat.\n")
3
4 while True:
5     user = input("You: ").lower()
6     if user == "hello":
7         print("Bot: Hello! How can I help you today?")
8     elif "your name" in user:
9         print("Bot: I am a simple Python chatbot.")
10    elif "how are you" in user:
11        print("Bot: I am doing great! How about you?")
12    elif "bye" in user:
13        print("Bot: Goodbye! Have a nice day!")
14        break
15    else:
16        print("Bot: I'm sorry, I don't understand that.")
17        print("Bot: Can you please rephrase?")
18
19 print("\nChat ended. Thanks for talking to me!")
```



EXPECTED OUTPUT (Example)

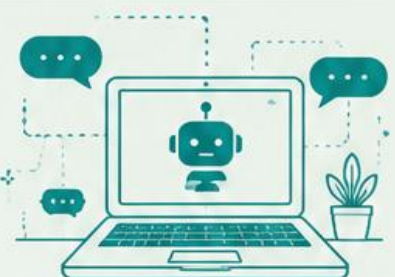
🤖 AI Chatbot: Hello! I am your assistant.
Type 'bye' to end the chat.

You: hello
Bot: Hello! How can I help you today?

You: how are you
Bot: I am doing great! How about you?

You: bye
Bot: Goodbye! Have a nice day!

Chat ended. Thanks for talking to me!



TIP

You can extend your chatbot by adding more questions, or connect it to APIs like OpenAI for smarter answers!



ASSESSMENT EXAMPLE

AI PROJECT RUBRIC

This rubric is used to assess student performance in AI tasks, activities and projects.



PURPOSE

To assess students fairly and consistently based on key skills and competencies developed in AI learning.



CLEAR CRITERIA

Understand what is expected.



SUPPORT GROWTH

Helps students improve step by step.



REWARD EXCELLENCE

Recognises effort, creativity and thinking.



FAIR & CONSISTENT

Ensures equal opportunity for all.



FEEDBACK FOCUSED

Guides future learning and development.

CRITERIA	BEGINNING 1 POINT	DEVELOPING 2 POINTS	SECURE 3 POINTS	MASTERY 4 POINTS
 KNOWLEDGE Understanding of AI concepts and key ideas.	Limited understanding of AI concepts. Major gaps in knowledge.	Basic understanding of some AI concepts. Requires support.	Good understanding of AI concepts. Can explain in own words.	Excellent understanding of AI concepts. Can explain clearly and in depth.
 APPLICATION Ability to apply AI skills and tools.	Needs help applying tools or techniques. Many errors.	Applies some tools with support. Several errors.	Applies tools and techniques correctly with minor errors.	Applies tools and techniques accurately and independently.
 CREATIVITY Originality and innovative thinking in the project.	Ideas are limited or copied. Little originality.	Some original ideas. Shows attempt at creativity.	Creative ideas are clear and add value to the project.	Highly creative and innovative. Ideas are unique and insightful.
 COMMUNICATION Presentation and explanation of ideas.	Difficult to follow. Poor organisation and clarity.	Somewhat clear. Organisation needs improvement.	Clear and well organised. Effectively explains ideas.	Excellent communication. Well-structured, engaging and confident delivery.
 EVALUATION Reflection and evaluation of work.	No reflection or evaluation. Does not identify strengths/weaknesses.	Basic reflection. Some strengths or weaknesses identified.	Good reflection. Identifies strengths, weaknesses and areas to improve.	Excellent reflection. Deep analysis and clear plan for improvement.



SCORING GUIDE

- 1 = Beginning
- 2 = Developing
- 3 = Secure
- 4 = Mastery



TOTAL SCORE

/ 20 POINTS

Convert to percentage
(Total ÷ 20) × 100



TEACHER FEEDBACK



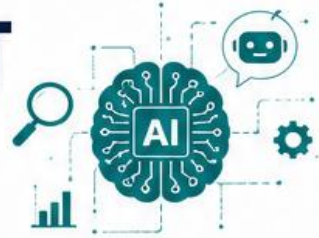
This rubric supports learning, recognises effort and helps every student reach their full potential in AI.



STUDENT WORKSHEET

EXPLORING ARTIFICIAL INTELLIGENCE

Read, think, answer and reflect.



Name: _____

Class: _____

Date: _____



1 QUESTIONS

Answer the following questions in full sentences.

1. What is Artificial Intelligence (AI)?

2. Give three examples of AI used in everyday life.

- _____
- _____
- _____

3. How do machines learn from data?

4. What are some benefits and risks of AI?

Benefits: _____



2 RESEARCH

Research an AI application that interests you.

Name of AI application: _____

What does it do? _____

How does it help people? _____



3 REFLECTION

What did you learn from today's lesson?

What was the most interesting thing you discovered?

How will AI change the future?

How can we use AI in a responsible way?



4 PLANNING

Plan a simple AI project or solution to a problem in your school or community.

Problem I want to solve: _____

My AI idea/solution: _____

What data or information would I need? _____

What tools or resources will I use? _____



5 CRITICAL THINKING

Do you think AI can replace humans in all jobs? Why or why not?

What skills do you think are important for the future in an AI world?





SMART WASTE SORTER

Using AI to build a better, cleaner world!



PROJECT GOAL

Design and create an AI-powered smart waste sorter that can identify and sort different types of waste.

BENEFITS



Helps the environment



Promotes recycling



Uses AI technology



Creates awareness in the community



PROJECT OVERVIEW

- ✓ Use AI image recognition to identify objects.
- ✓ Sort waste into the correct bin (Plastic, Paper, Metal).
- ✓ Display the result on an LCD screen.
- ✓ Track and show how much waste is sorted.
- ✓ Design a prototype using recycled materials.

THE DESIGN CYCLE



1. INQUIRE

Research the problem and user needs.



2. DEVELOP IDEAS

Brainstorm and choose the best solution.



3. CREATE

Build the prototype and program the AI model.



4. TEST

Test the system with different objects.



5. EVALUATE

Evaluate how well it works and how to improve it.



6. COMMUNICATE

Present your project and share your ideas.

KEY COMPONENTS

- AI Camera / Image Recognition
- Microcontroller (Arduino / ESP32)
- Sensors (Distance / Weight)
- Motors / Servo for sorting
- LCD Display
- Recycled Materials (Bins, Body)



HOW IT WORKS

- 1 The camera detects the object.
- 2 AI model identifies the type of waste.
- 3 The system shows the result on LCD.
- 4 The servo motor opens the correct bin.
- 5 Waste is sorted properly!

SUCCESS CRITERIA

- ✓ AI correctly identifies at least 3 types of waste.
- ✓ Objects are sorted into the correct bin.
- ✓ System is reliable and easy to use.
- ✓ Design is creative, safe and eco-friendly.
- ✓ Presentation is clear and impressive.



PRESENTATION IDEAS

- Show your prototype in action.
- Explain how your AI model works.
- Share the impact of your project.
- Suggest future improvements.



Remember!

Small ideas
can create

BIG impact!



“Design today, solve tomorrow, inspire forever.”



Use AI to solve a real problem and make a difference!



PROJECT CHALLENGE

Choose a **real problem** in your school, community or the world that AI can help solve. Design an **AI solution** or prototype to make a **positive impact**.

EXAMPLES

- Smart waste sorting system
- AI study assistant for students
- Traffic or parking predictor
- Energy saving monitor
- Health and wellbeing app



1 IDENTIFY THE PROBLEM

What problem have you chosen to solve?

Who is affected by this problem?



2 RESEARCH & ANALYZE

What information or data will you collect?

Where will you get your data?



3 AI SOLUTION IDEA

Describe your AI idea or solution.

What AI tools or technologies will you use?



4 DESIGN & PLAN

Draw or describe your prototype or model.



5 BUILD & TEST

What did you build or create?

How did you test your solution?

What worked well?

What can be improved?



6 IMPACT & PRESENTATION

How will your solution help people?

Prepare a poster or presentation to share your project.



PROJECT CHECKLIST

- ✓ I identified a real problem.
- ✓ I researched and collected data.
- ✓ I designed an AI solution or prototype.
- ✓ I built and tested my idea.
- ✓ I evaluated the impact of my project.
- ✓ I presented my findings clearly.



REFLECTION



What did I learn about AI?



What would I do differently next time?



How can my project make a difference?





AI CURRICULUM – YEAR 7

Practical. Engaging. Future-Ready.

Great teaching
inspires curiosity,
encourages thinking
and creates
confident learners.



ABOUT THIS CURRICULUM

This AI curriculum for Year 7 introduces students to the fundamentals of Artificial Intelligence through engaging lessons, hands-on activities and real-world applications. It develops computational thinking, digital literacy and ethical awareness.



LEARNING OBJECTIVES

- ✓ Understand what AI is and how it works in everyday life.
- ✓ Explore key AI concepts and technologies.
- ✓ Develop basic programming skills using Python.
- ✓ Use AI tools responsibly and ethically.
- ✓ Design and create a simple AI-based project.



TEACHING STRATEGIES

- Use questioning and discussion to activate prior knowledge.
- Encourage pair and group work for collaboration.
- Use real-life examples and relatable scenarios.
- Provide hands-on coding and tool exploration.
- Differentiate tasks to support all learners.



CLASSROOM MANAGEMENT

- ✓ Set clear expectations for behaviour and digital use.
- ✓ Ensure all students have access to devices and resources.
- ✓ Encourage help-seeking and peer support.
- ✓ Celebrate effort, creativity and progress.



KEY REMINDERS FOR TEACHERS

- ✓ Link lessons to real-life examples students know.
- ✓ Encourage ethical and responsible use of AI.
- ✓ Ask open-ended questions to promote higher-order thinking.
- ✓ Make learning fun, interactive and purposeful.

LESSON STRUCTURE (GUIDE)

PHASE	TIME	ACTIVITY	PURPOSE
ENGAGE	10 mins	Starter activity / Discussion	Activate curiosity and prior knowledge.
EXPLORE	20 mins	Input / Video / Demo	Introduce key concepts.
PRACTICE	25 mins	Hands-on task / Coding activity	Apply knowledge through practice.
REFLECT	10 mins	Plenary & Reflection	Consolidate learning.
EXTEND	Optional	Extension task or challenge	Deepen understanding.



ASSESSMENT TIPS

- ✓ Use mini-checks during lessons (quizzes, exit tickets).
- ✓ Assess classwork, worksheets and coding tasks.
- ✓ Provide feedback focused on improvement.
- ✓ Use rubrics for projects (creativity, functionality, presentation, problem solving).



DIFFERENTIATION IDEAS

Support: Provide step-by-step guides, sentence starters and scaffolded worksheets.

Core: Complete standard activities and projects.

Challenge: Extend tasks, add features, or explore advanced tools and coding.



You don't need to be an AI expert to teach AI. Your guidance, encouragement and passion will help your students become confident, curious and future-ready.





AI CURRICULUM – YEAR 7

Quality resources. Smarter learning. Better outcomes.



ABOUT THESE RESOURCES

These carefully selected resources support teaching and learning across the AI curriculum. They are reliable, engaging and age-appropriate for Year 7 students.

- ✓ Build knowledge and skills
- ✓ Encourage exploration and creativity
- ✓ Support differentiation and inclusion
- ✓ Promote safe and responsible use of AI



1. LEARNING PLATFORMS

Interactive platforms for engaging lessons and practice.

- Khan Academy – AI basics and coding
- Code.org – Entry level coding and AI activities
- Google Teachable Machine – Train simple AI models
- Microsoft AI for Kids – Learn about AI with fun games
- Scratch – Create interactive stories and AI projects



2. VIDEOS & EXPLANATIONS

Short, engaging videos to introduce key concepts.

- YouTube: Crash Course – AI Series
- BBC Bitesize – What is AI?
- Google AI – Learn with Experiments
- TED-Ed – Artificial Intelligence
- Kurzgesagt – The Age of AI



3. TOOLS & APPS

Tools students can use to explore and build.

- Python (IDLE / Replit / Trinket) – Coding
- Google Colab – Simple AI with Python
- Canva – Presentations and posters
- MindMeister – Mind mapping and planning
- ChatGPT (Supervised) – Research and ideas



4. ARTICLES & READINGS

Age-appropriate reading to build understanding.

- National Geographic Kids – AI and the Future
- BBC Newsround – AI in everyday life
- MIT Technology Review (Kids) – AI explained
- Scientific American – The future of AI
- The Conversation Junior – AI and society



5. ACTIVITIES & WORKSHEETS

Printables and activities to reinforce learning.

- AI Vocabulary Matching
- AI Scenarios – Real life or not?
- Ethics Discussion Cards
- AI Tools Sort Activity
- Think – Pair – Share Prompts



6. PROJECT IDEAS

Hands-on projects to inspire creativity.

- AI Waste Sorter (using image recognition)
- AI Chatbot for School Help
- Smart Classroom Assistant
- AI Poster Campaign
- Predict the Future (Data Project)



7. BOOKS FOR FURTHER READING



Artificial Intelligence
A Visual Guide
Dorling Kindersley



Hello Ruby:
Journey Inside
the Computer
Linda Liukas



You Look
Like a Thing
and I Love You
Janelle Shane



AI: Amazing
Images and Fun
Facts for Kids
Kerri McDonald



How to Code
a Sandcastle
Josh Funk



SAFETY & RESPONSIBILITY REMINDERS

- ✓ Always use AI tools respectfully and responsibly.
- ✓ Protect your personal information.
- ✓ Think critically about the information you find.
- ✓ Ask a teacher if you are unsure.



USEFUL LINKS & QR CODE ACCESS

Scan the QR code to access a digital folder with all the resources listed above.

The folder includes:

- ✓ Direct links
- ✓ Lesson extras
- ✓ Worksheets
- ✓ Project templates



SCAN ME





WE'RE HERE TO HELP!

Let's work together to empower learners
and shape a smarter future.



GET IN TOUCH

We welcome your questions, feedback
and collaboration opportunities.
Whether you are a teacher, school leader,
parent or partner, we are here to support you.



Contact Person

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info@nteducationsolutions.com



Website
www.nteducationsolutions.com



Based In
United Kingdom



SEND US A MESSAGE

Fill in the form below and we will get back to you
as soon as possible.

Your Name: _____

Your Email: _____

School / Organization: _____

Your Role: _____

Subject of Inquiry: _____

Your Message: _____

SEND MESSAGE



HOW WE CAN SUPPORT YOU



Curriculum
Implementation
Support



Teacher Training
& Workshops



Resource
Development



Consultation
& Guidance



AI Integration
Strategies



Project-Based
Learning Support

“ Together, we can inspire students,
support educators and build a future
powered by knowledge and innovation.

– NT Education Solutions



We value your feedback!
Your ideas help us improve
our resources and services.
Let's keep learning together.



Follow Us



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Scan to visit our website
and explore our resources.



We look forward to
connecting with you!

Thank you!



This MYP Design Resource Handbook is your complete companion to deliver meaningful, inquiry-based learning that develops confident, creative and responsible global citizens.



“ Education is not the learning of facts, but the training of the mind to think. ”
– Albert Einstein



WHAT'S INSIDE

- | | |
|---------------------------|---------------------------------|
| 1 Welcome | 14 Criterion D |
| 2 Contents | 15 Unit Planners |
| 3 About MYP Design | 16 Sample Unit Planner |
| 4 Design Cycle | 17 Lesson Plan Templates |
| 5 Global Contexts | 18 Assessment Rubrics |
| 6 ATL Skills | 19 Student Reflection |
| 7 Inquiry | 20 Teacher Guidance |
| 8 Criterion A | 21 Resources |
| 9 Criterion A Examples | 22 AI Prompts for MYP Design |
| 10 Criterion A Worksheets | 23 FAQs |
| 11 Criterion B | 24 About NT Education Solutions |
| 12 Criterion B Examples | 25 Contact Us |
| 13 Criterion C | |



INQUIRY-BASED

Encouraging curiosity, investigation and deep understanding.



STUDENT-CENTERED

Empowering learners to take ownership of their learning.



REAL-WORLD FOCUSED

Connecting classroom learning to real-life challenges.



FUTURE-READY

Building skills for innovation, collaboration and lifelong success.



OUR MISSION

At NT Education Solutions, our mission is to support schools and educators with high-quality, practical and future-focused resources that enhance teaching, engage learners and drive measurable impact.

Thank you for being part of this journey towards excellence in education!



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