

<p>Date:</p> <p>Duration: 40 minutes</p>	<p>Subject: ICT</p> <p>Prep: 6</p>	<p>Topic: Introduction to AI and Digital Art with PictoBlox</p>
<p>Learning Intentions:</p> <ol style="list-style-type: none"> 1. Students will develop an understanding of artificial intelligence (AI) and its application in digital art. 2. Students will learn to use PictoBlox to generate and customise AI-powered digital art, gaining hands-on experience with basic AI tools and concepts. 	<p>Learning Outcomes:</p> <p>By the end of the lesson, students will be able to:</p> <ol style="list-style-type: none"> 1. Understand the basic concept of artificial intelligence (AI). 2. Use PictoBlox to generate AI-powered digital art. 3. Create and customize digital art using AI tools in PictoBlox. 	<p>Materials Needed:</p> <ul style="list-style-type: none"> • Computers or tablets with PictoBlox installed (one per student or pair) • Interactive whiteboard or projector • Pre-prepared example of AI-generated digital art using PictoBlox • Printed handouts with step-by-step instructions and screenshots
<p>Introduction/Warm-Up (10 minutes):</p> <ol style="list-style-type: none"> 1. <i>Engage</i> <ul style="list-style-type: none"> • Show a short, engaging video or animation about AI on the interactive whiteboard. • Ask students if they have heard of AI and what they know about it. 2. <i>Lesson Objective</i> <ul style="list-style-type: none"> • Explain that today they will learn how to use AI in PictoBlox to create their own digital art. 3. <i>Introduction to PictoBlox</i> <ul style="list-style-type: none"> • Briefly demonstrate the PictoBlox interface on the interactive whiteboard, highlighting the AI tools. 		
<p>Main Activity (25 minutes):</p> <p>Part 1: Exploring AI in PictoBlox (10 minutes)</p> <ol style="list-style-type: none"> 1. <i>Guided Exploration (5 minutes)</i> <ul style="list-style-type: none"> • Guide students through the basic features of PictoBlox: selecting AI tools, generating art, and customizing outputs. 2. <i>Interactive Demonstration (5 minutes)</i> <ul style="list-style-type: none"> • Create a simple AI-generated art piece together as a class. Show how to start an AI project and generate an image. • Ask students for input on what kind of image to generate and demonstrate how to customize it. 		

Part 2: Creating Their Own Animation (15 minutes)

1. Step-by-Step Instructions (5 minutes)

- Distribute printed handouts/ show screenshots with step-by-step instructions generating AI art in PictoBlox.
- Walk through the first few steps with the students to ensure they understand.

2. Independent Practice (10 minutes)

- Students work on creating their own AI-generated art using PictoBlox.
- Encourage creativity by allowing them to experiment with different AI tools and customizations.
- Walk around the room to assist students as needed.

Differentiation:

For Struggling Students:

- Pair them with a more advanced peer who can help guide them.
- Provide additional one-on-one assistance.
- Offer simpler tasks, such as generating simpler Images.

For Advanced Students:

- Encourage them to experiment with more complex AI tools and features.
- Suggest creating a series of related images or a more detailed art project.
- Ask them to help their classmates once they have mastered the tools

Conclusion (5 minutes):

1. Sharing Art (3 minutes)

- Have a few students share their AI-generated art with the class using the interactive whiteboard.
- Allow students to explain what they created and how they used PictoBlox.

2. Review and Recap (2 minutes)

- Ask students what they learned about AI and digital art today.
- Review the key concepts: AI, generating images, and customization.

3. Wrap-Up and Next Steps (1 minute)

- Praise students for their creativity and efforts.
- Explain that in the next lesson, they will continue to explore AI and digital art, possibly integrating more advanced features.

Assessment:

- *Formative Assessment:* Observe students during practice time, noting their ability to use AI tools in PictoBlox effectively.
- *Summative Assessment:* Use a simple checklist to evaluate each student's AI-generated art based on creativity, use of AI tools, and customization.

Criteria	Yes	No
Understands AI Concept		
Uses AI Tools in PictoBlox		
Generates AI Art		
Customizes AI Art		
Completes Art Project		

Notes:

By following this lesson plan, the students will be introduced to basic AI concepts through an engaging and interactive platform, PictoBlox, fostering their interest in technology and digital art.

