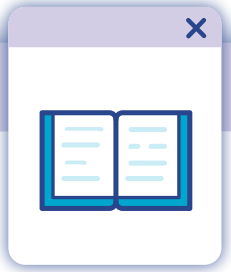
Lesson 1



Malia Recycles
– solve the problem

Decomposition

Break it down:

Abstraction

What's important?

What doesn't matter?

Pattern Recognition

Patterns:

Algorithmic Thinking

Step by step:

Lesson 1

STEM Club

How could AI transform your life?

In a team, think of all the important things you and your family needs to do each day, week or month.

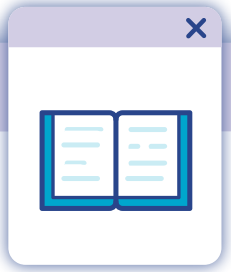
- Write a list or create a concept map! Identify five things you'd most like AI to make easier or better. What problems could AI solve?
- Expand your ideas to explain how you think this might work. (You could use Computational Thinking to help you!)
- What difference would your AI ideas make? Explain how your life would be better, and how you'd use your extra time to do something good.

Harnessing the power of Alexa

Imagine that you have a voice assistant available at all times!

- What other devices might Alexa control, at home, school or in a work environment?
- Create a slide or poster to show what a voice controlled future might be like.
- How will it change how we live?
- How might life be easier and better?

Lesson 2



Computational thinking

The intent for our new Alexa skill is: .....

Break it down:

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What's important?

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What doesn't matter?

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Patterns:

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Step by step:

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Lesson 2

Get ready to code

Our intent is to:

Our invocation will be:

The utterances we need to include are:

The steps we need to code are:

Lesson 2

Could I work in AI?

If you've found AI interesting, perhaps a career in AI might be for you! Here are some research questions you could use in an internet search:

- What industries can AI professionals work in?
- What skills or qualifications do you need for a career in AI?

If you find a role that's interesting, try using these questions to find out more:

- How do you get into the role?
- What skills and qualifications will you need?
- What will you do every day in this role?
- How might you progress in this role?
- Where can you find educational courses or apprenticeships to get into this role?

Useful websites for your research:

- https://nationalcareers.service.gov.uk/search-results?searchTerm=artificial+intelligence
- https://www.prospects.ac.uk/careers-advice/what-can-i-do-with-my-degree/computer-science (note, this page lists various careers that a Computer Science degree can lead to, many of which are not in AI, but some are)
- https://pg-online.leeds.ac.uk/blogs/top-5-jobs-in-ai/