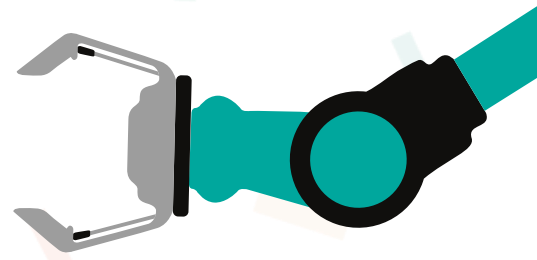




# DISCOVERTECH



## Let's learn about Sequences!

### What is computational thinking?

Computational thinking is a creative way of thinking that allows individuals to be systematic problem solvers. Coding helps children to develop computational thinking skills.

### Sequences!

Doing things in the correct sequence is important. A programmer needs to teach computers or robots to do things in the correct order.

For example, you should wash your vegetables before cooking them. If you wash them after cooking, you will end up eating soggy food!

### Help your child develop this coding concept at home!

Introduce your child to the importance of sequencing by relating it to their everyday life.

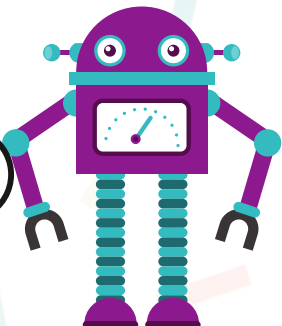
When wearing a top, should they put their arms through the sleeves first or button it up first? When changing clothes, should they take off the ones they are wearing first or wear the new ones first?

PHP

...

C#

HTML



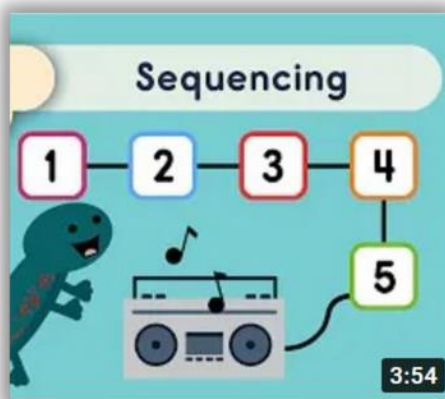
#### References:

1. Heather Lavigne, Ashley Lewis Presser, Deborah Rosenfeld, Marisa Wolsky, And Jessica Andrews. (n.d.). Creating a Preschool Computational-Thinking Learning Blueprint to Guide the Development of Learning Resources for Young Children. National Science Teaching Association. Retrieved October 6, 2021, from <https://www.nsta.org/connected-science-learning/connected-science-learning-april-june-2020/creating-preschool>



# WATCH ME: SEQUENCING

Sequencing focuses on the order of things. Learn about how a computer needs to have correct step-by-step instructions with this fun sequencing coding song!



Scan me to watch the video!



<https://go.gov.sg/sequencing>

<https://www.youtube.com/watch?v=zW3YZdPmCnM>

References: Scratch Garden. (2021, April 12). *Sequencing | Lesson 3 | Camp Coding Camp* [Video]. YouTube. <https://www.youtube.com/watch?v=zW3YZdPmCnM>

## RECOMMENDED BOOKS



Scan me to borrow e-book



<https://go.gov.sg/learn/ava>

**TITLE:** AVA IN CODE LAND

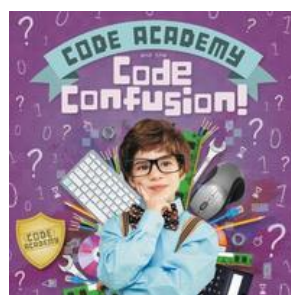
**AUTHORS:** JESS HITCHMAN & GAVIN CULLEN

**ILLUSTRATOR:** LEIRE MARTÍN

**SECTION:** EARLY LITERACY PICTURE BOOKS

**CALL NO:** ENGLISH HIT

**LINK:** <https://nlb.overdrive.com/media/5294867>



**TITLE:** CODE ACADEMY AND THE CODE CONFUSION!

**AUTHOR:** KIRSTY HOLMES

**SECTION:** EARLY LITERACY PICTURE BOOKS

**CALL NO:** ENGLISH 005.1 HOL



Scan me to borrow eBook



<https://go.gov.sg/adaideas>

**TITLE:** ADAS IDEAS: THE STORY OF ADA LOVELACE,

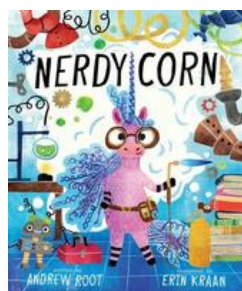
**THE WORLD'S FIRST COMPUTER PROGRAMMER**

**AUTHOR:** FIONA ROBINSON

**SECTION:** EARLY LITERACY PICTURE BOOKS

**CALL NO:** ENGLISH 510.92 ROB

**LINK:** <https://nlb.overdrive.com/media/2998942>



Scan me to borrow eBook



<https://go.gov.sg/nerdycorn>

**TITLE:** NERDY CORN

**AUTHOR:** ANDREW ROOT

**ILLUSTRATOR:** ERIN KRAAN

**SECTION:** EARLY LITERACY PICTURE BOOKS

**CALL NO:** ENGLISH ROO

**LINK:** <https://nlb.overdrive.com/media/5808091>

# Robot, brush your teeth!

CODING AT HOME



## MATERIALS

- Activity sheet provided below
- Printed arrows (optional)

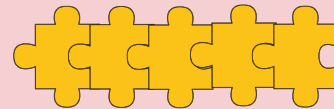
## TIPS FOR PARENTS

Create similar activities for your child by breaking down other daily tasks (such as wearing shoes) into smaller steps and asking your child to rearrange them in the right order!

## HOW TO PLAY

Your robot friend, Ida is not afraid of water and wants to learn how to brush her teeth! Teach Ida to brush her teeth by numbering the steps below correctly from 1 to 5.

You can also cut out the jigsaw pieces and fit them together in the correct order!

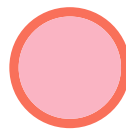


## COMPUTATIONAL SKILLS: ✓ SEQUENCING

Write the correct number (1,2,3,4 or 5) in each circle



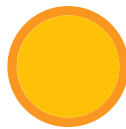
**Take the toothbrush out of your mouth**



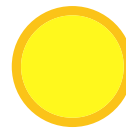
**Put toothpaste on your brush**



**Rinse your mouth**



**Put the toothbrush in your mouth**



**Brush your teeth**

### References:

1.(2021). YouTube. Retrieved October 13, 2021, from <https://youtu.be/zW3YZdPmCnM>.