

## Teacher Notes:

This activity is from  
Science+ Fourth Grade  
Module 4 "Coastlines:  
Waves and Erosion."

### Suggested Discussion Questions:

Brainstorm different ways  
or places you are already  
using passwords.

Possible Answer: **my phone,  
my school laptop, my email,  
my school software account,  
the code on my front door**

Are there any other areas  
or devices that you may  
need to protect by adding a  
password?

Possible Answer: Our family  
laptop at home doesn't have  
a password. I could talk with  
my parents about this.

Have you changed your  
passwords on your accounts  
or devices lately?

Possible Answer: I haven't  
before but I think it is  
a good idea for online  
accounts.

The downloadable tip card  
that accompanies this video  
can be found at

[https://cyber.org/sites/  
default/files/2020-09/  
Cyber%20Safety%20  
Video%20Tip%20Cards\\_  
Making%20Strong%20  
Passwords.pdf](https://cyber.org/sites/default/files/2020-09/Cyber%20Safety%20Video%20Tip%20Cards_Making%20Strong%20Passwords.pdf)

Think about the devices you use every day. Do you already have passwords set up? Let's find out more about why we need to change them often and make them complex or strong.



## CYBER POP-OUT: Password Strength

Just as landforms change over time, remember to change your password frequently. This will keep someone from being able to break down and figure out your password. The following video offers helpful information on creating a complex password.

- **Zuky The Robot, "Complex Passwords"**

[https://youtu.be/PeG\\_WRV9iQM](https://youtu.be/PeG_WRV9iQM)

How do passwords protect your computer or device?

Students may say, "Passwords keep your computer data safe."

When do you use passwords?

Students may say, "When you don't want a stranger or anyone else to get on  
your device and look at your private information."

Why shouldn't you use a common word or name as your password?

Students may say, "They are easy to guess."

How do you make a strong password?

Students may say, "Combine a lot of different letters, numbers, and symbols  
to make it strong."

Watch this video to learn even more about strong passwords:

- **CYBER.ORG, "Making Strong Passwords - Cyber Safety Series"**

<https://youtu.be/OiQKZWNeAjc>

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