WELCOME TO COBOX 3!

Welcome Back to CoBox! In this box, we will focus on programming. In digital game making, we work in a team with artists, writers, and programmers. To make games playable, we need programmers to help us code. In our game, you can program your cobot. So, if you've done a little, a lot, or no programming at all, we're excited to design together!

Card 1: What Do You Think?

Card 2: Make a Programmer!

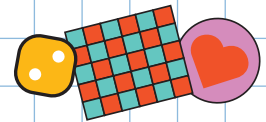Card 3: Team Up!

Card 4: What's Your Programming Style?

Card 5: Taking Out the Trash!

Card 6: I Can Become Really Good at Programming!

Card 7: Game Remix!

WELCOME TO COBOX 3!

Remember!
A cobot is a robot designed to work closely and share the same space as humans.

1

WHAT DO YOU THINK?

What do you think about programming? Answer the questions below by filling in the thumbs up or down images. Thumbs up for yes, thumbs down, for no. There are questions on the back and front. When you're done, upload a picture to the app!
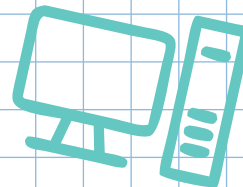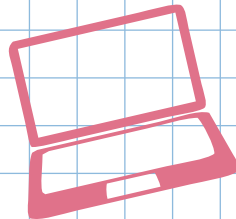
1. Computers are fun.

2. I like programming.

3. I am good at programming.

4. Programming is challenging.

WHAT DO YOU THINK?

What do you think about programming? Answer the questions below by filling in the thumbs up or down images. Thumbs up for yes, thumbs down, for no. There are questions on the back and front. When you're done, upload a picture to the app!

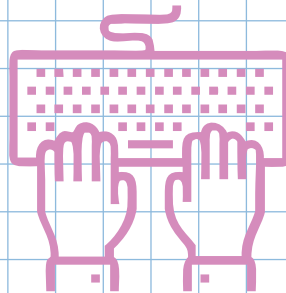**5. I like the challenge of programming.**

6. I can become good at programming.

7. I want to learn more about programming.

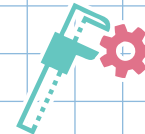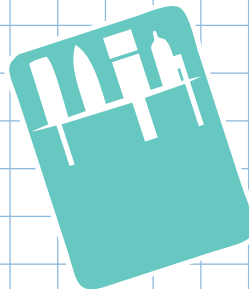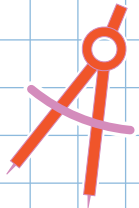**8. I can be a programmer in the future.**

2

MAKE A PROGRAMMER!

We've been thinking about different types of characters in our game. If we wanted to include a programmer, what do you think a programmer looks like?

1. Visit this project in Scratch to create a programmer character:
https://scratch.mit.edu/projects/237869893/
Click on the green flag to start, then select "Create a New Character."

2. When you're done, upload a picture to the app and tell us about them.

How old are they?
Where do they live?
What's their name?

2

MAKE A PROGRAMMER!

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3 TEAM UP!

Pretend you have a company that makes Dance Cobots. Your company needs this team of people working together to help keep the comany running. Which team member could you be? (You can be more than one!) Fill out each team member card, then upload a picture 📷 to the app.

ART DIRECTOR

- ☐ This is me!
- ☐ This could be me
- ☐ I could never do this job
- ☐ I am not interested in this job

FRONT DESK STAFF

- ☐ This is me!
- ☐ This could be me
- ☐ I could never do this job
- ☐ I am not interested in this job

3 TEAM UP!

ENGINEER
- [ ] This is me!
- [ ] This could be me
- [ ] I could never do this job
- [ ] I am not interested in this job

PROGRAMMER
- [ ] This is me!
- [ ] This could be me
- [ ] I could never do this job
- [ ] I am not interested in this job

CLEANING STAFF
- [ ] This is me!
- [ ] This could be me
- [ ] I could never do this job
- [ ] I am not interested in this job

SECURITY GUARD
- [ ] This is me!
- [ ] This could be me
- [ ] I could never do this job
- [ ] I am not interested in this job

MACHINIST
- [ ] This is me!
- [ ] This could be me
- [ ] I could never do this job
- [ ] I am not interested in this job
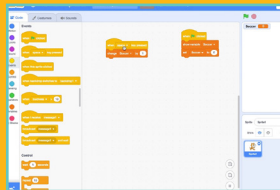
SPORTS MEDICINE DOCTOR
- [ ] This is me!
- [ ] This could be me
- [ ] I could never do this job
- [ ] I am not interested in this job

WHAT'S YOUR PROGRAMMING STYLE?

There are many different types of ways to program. Which ones have you tried? It's okay if you haven't tried any of these! Let us know the type of programming you've done before, where you did it, and how much you liked it. When you're done, take a picture 📷 and upload it to the app.
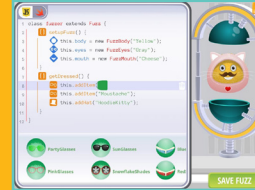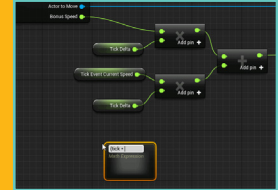
Block Based

★ ★ ★ ★ ★

Text Based

★ ★ ★ ★ ★

Scripting

★ ★ ★ ★ ★

Flow Chart

★ ★ ★ ★ ★

4 WHAT'S YOUR PROGRAMMING STYLE?

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5 — TAKING OUT THE TRASH!

When we make games, we have to figure out how to solve problems in a game. Look at our cobot character below. On the back of this card, write down all the steps it would have to do in order to sort the items on the table for trash pickup. When you're done, take a picture 📷 and upload it to the app.

Banana Peel

Milk Jug

Empty Soda Can

Old Shoelaces

Expired Cheese

Recycle

Newspaper

Cardboard Box

Stale Bread

Apple Core

Glass Bottle

Garbage

5 TAKING OUT THE TRASH!

- Write the steps needed for the cobot to sort the trash. For example, the cobot can walk to, grab, toss objects, then repeat.

- Can you do this in fewer steps?

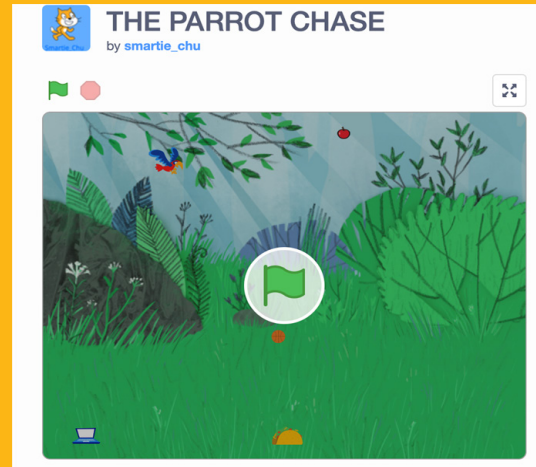- How well can you write a program to do this?

7   GAME REMIX!

When we make a game, we often have to make changes to make it more fun, or to fix issues. This game by **smartie_chu** on Scratch can be changed. First play it, and then look at the list below and see what changes you can make to the game. When your done, upload a voice recording telling us how you did it, to the app. 🎙

Remix The Parrot Chase!

· Do something to make the game easier.

· Do something to make the game harder.

· Do something to make the game more interesting.

https://scratch.mit.edu/projects/377301127/

THE PARROT CHASE
by smartie_chu

7 GAME REMIX!

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