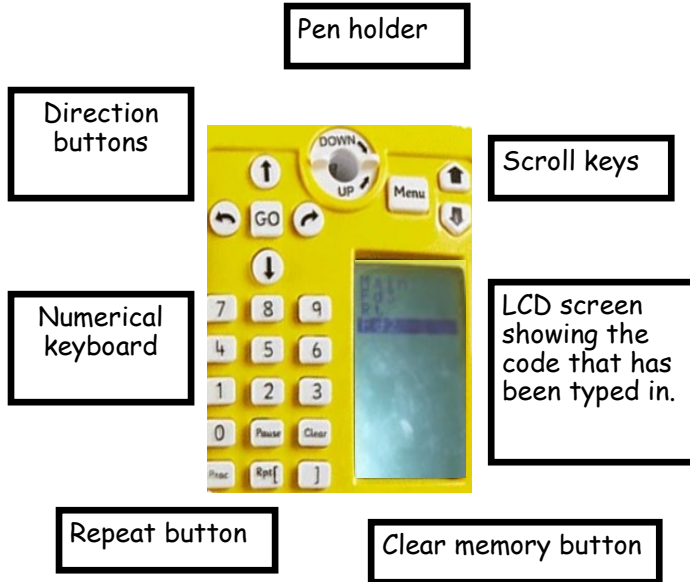


# Year 5: Computing and Online Safety

## Algorithms

### Pro-Bot

Top view of the Pro-Bot



### Pro-Bot commands

Forward	Fd	
Right turn	Rt	
Repeat	Rpt	
Back	Bk	
Left turn	Lt	
Pause	Ps	

By combining two actions we can produce a **nested loop**.  
 For example: Rpt 3 [Rpt 2 [ fd 5 rt]]  
 That means the Pro-Bot will move fd 5 rt, fd 5 rt, fd 5 rt, fd 5 rt, fd 5 rt, fd 5 rt.  
 That is, the number of times the outside loop repeats, multiplied by the number of times the inside loop repeats.

To create a procedure on the Pro-Bot, press the Menu button and then scroll down to "New Proc". Choose this option when you want to *create a new procedure*. Choose any procedure name and type in the specific instructions that you want to store. Press Menu. Then you can press the 'Proc' button anytime you want to use the procedure.

## Online Safety

A community could be your family, sports team or even your gaming groups.

When you are in a community you should show **positive behaviours** such as:

- Respect
- Collaboration
- Friendship
- Support
- Learning
- Help



Remember the **SMART** rules:

**S** Stay Safe: Don't give out your personal information to people / places you don't know.

**M** Don't Meet Up: Meeting someone you have only been in touch with online can be dangerous. Always check with an adult you trust.

**A** Accepting Files: Accepting emails, files, pictures or texts from people you don't know can cause problems.

**R** Reliable? Check information before you believe it. Is the person or website telling the truth?

**T** Tell Someone: Tell an adult if someone or something makes you feel worried or uncomfortable.

Follow these SMART tips to keep yourself safe online!

## Vocabulary

benefits	Good things that come from something.
collaboration	Working together.
community	A group of people with a common interest.
nested loop	A loop inside of another loop.
Pro-Bot	A floor robot shaped like a car.
procedure	A set of computer instructions that perform a specific task.
programming	To design, write and debug programs that accomplish specific goals.
respect	Polite, kind and caring.

CRC Article 19: All children have the right to be safe.

CRC Article 29: All children have the right to be the best that they can be.

