GRADE 4 KABARAK PRIMARY

Yellow Coding & Scratch Basics

NAME: _____ DATE: _____

READ THE INSTRUCTIONS IN BOLD CAREFULLY

Circle the correct answer.

1. **What is a robot?**

A type of animal	A machine that can be programmed to perform tasks
A toy that moves on its own	A human assistant

2. **What makes a Yellow Coding Robot special?**

It can talk to people	It can be controlled using LEGO pieces and programmed to do tasks
It is only used in factories	It does not need electricity

3. **Which component helps the Yellow Coding Robot detect light?**

Push Button Module	7-Color Flashing LED Module
Photoresistor Module	PIR Motion Sensor

4. **What does the PIR Motion Sensor do?**

Makes the robot move faster	Detects light changes
Detects movement around the robot	Controls the robot's wheels

5. **What is Scratch used for?**

Cooking food	Creating animations and games
Controlling a TV	Fixing robots

Write T for True or F for False.

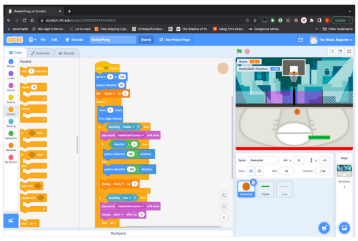
6. The 7-Color Flashing LED Module can display different colors based on how the robot is programmed. _____
7. The Push Button Module is used to start and stop the robot. _____
8. KidsBlock IDE is a tool used for drawing pictures._____
9. The RJ11 Cable is used to connect different parts of the robot together._____
10. You can use Scratch to make the Yellow Coding Robot move._____

Draw a line to match each component to its correct function. 7(5 mrks)

Component	Function
KidsBits Yellow Robot	(a) Detects motion using infrared light
KidsBits Push Button Module	(b) Lights up in different colors
KidsBits 7-Color Flashing LED	(c) Detects light in the environment
KidsBits Photoresistor Module	(d) Main body with motors and wheels
KidsBits PIR Motion Sensor	(e) Starts and stops the robot

Write the correct name or function for each image.

8. *What is the name of this robot?* _____



9. *Which IDE(integrated Development Environment) is this ?*: _____

10. What is one cool thing you can make the Yellow Coding Robot do using coding?

Answer: _____