SCIENCE NORTH SCIENCE NORD

SUDBURY, ONTARIO, CANADA

Pure Substances and Mixtures in Code	Grade 7 Pure Substances and Mixtures
Student Handout	

Open the linked Scratch program: https://scratch.mit.edu/projects/722954028

Follow the steps until you reach this prompt:

When you are done, press 9 to continue

Your task is to remix the scratch program using the sprites pre-loaded into the program. You will create a program that allows a user to explore all the classifications of pure substances and mixtures and provides feedback for user inputs.

Ex. User should click the sugar sprite, have the program request if it's a pure substance or a mixture, and provide the user with feedback based on their answer.

Extension:
If you finish early, try the following:
- Add new substances and challenging others to identify if they are a pure substance or a mixture
- Make the program more challenging by asking for the subclassification of each pure substance or mixture (compound, element, heterogeneous, and homogeneous)

Sciencenorth.ca/schools
Science North is an agency of the Government of Ontario and
a registered charity #10796 2979 RR0001.

1