

Weekly



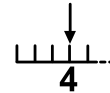
Computing



Challenge



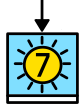
- WC



4th



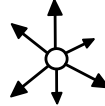
May.



This weeks



challenge



is all about

algorithms. Algorithms are



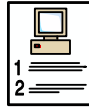
instructions



used



in



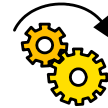
coding



to

make

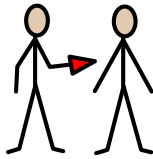
something



work.



Can



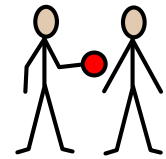
you

give

somebody



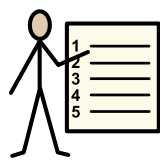
in



your

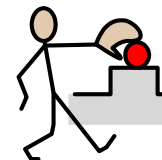


house



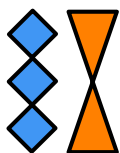
instructions

for how to

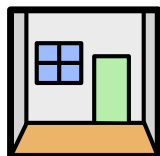


get

to

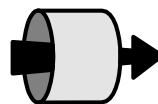


different



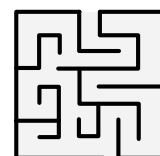
rooms

or



through

a



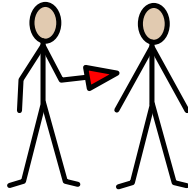
maze?



ROSEHILL
SCHOOL



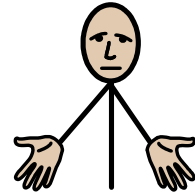
Resources



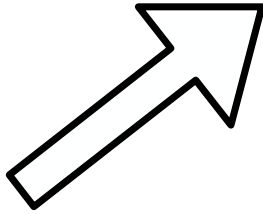
you



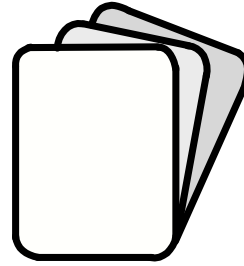
may



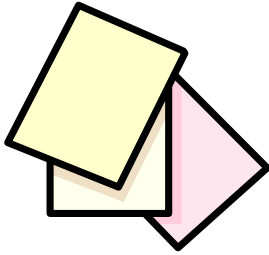
need



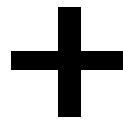
. arrow



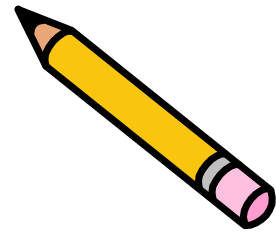
cards



. paper



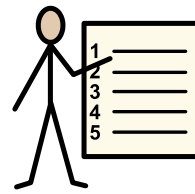
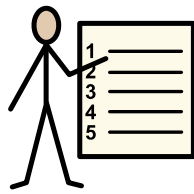
and








pencil



ROSEHILL
SCHOOL














Method / instructions







- Either  print  off or  draw  arrow  cards.

- Use   arrow  cards to  create  instructions for  how to

   **123** **+1**
 move to different places. Add numbers or extra

 arrow  cards so the  person  knows  how many  steps to

 take. e.g.  forwards **2**  left,  forwards **1**  go.

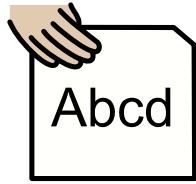
- You  could  create  a  maze to  walk  through.



ROSEHILL
SCHOOL

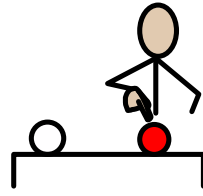


Useful



words

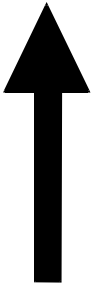
for



this



challenge



forwards



backwards



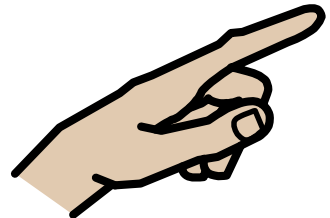
left



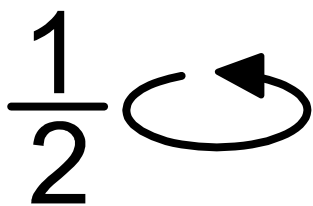
right



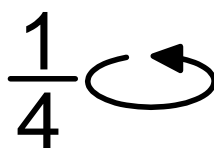
stop



go



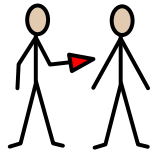
half turn



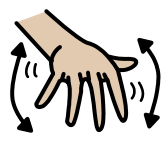
quarter turn



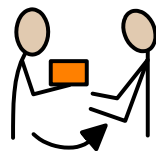
How



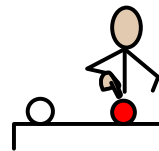
you



might



present



this

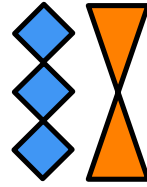
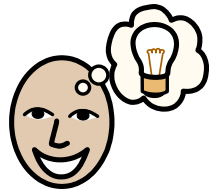


work

Take a photo of
your algorithm and
you following it. You
can print it if you
want to or send it to
your teacher's email.

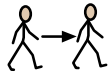


ROSEHILL
SCHOOL

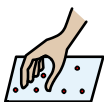



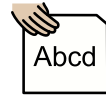
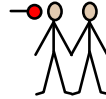
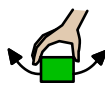
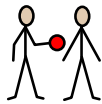
Ideas for differentiation

●  a  simple  place to  get to or a  simple

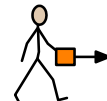
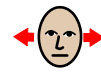


route to follow.

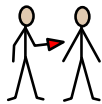
●  a  more  complicated  route and  encourage



your child to use their words to add



more detail. If it the instructions do not take



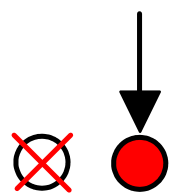
you to that place, have a go at debugging it by



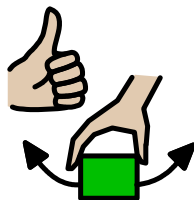
changing an instruction.



ROSEHILL
SCHOOL



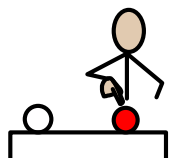
Other



useful

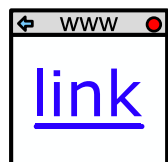


information



This

is the

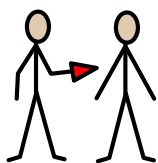


link

for



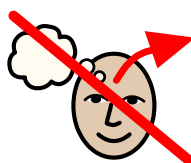
purple mash-



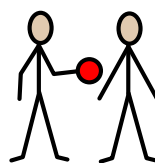
If

you

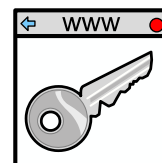
have



forgotten



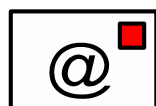
your



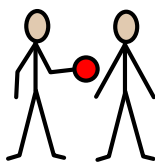
login,



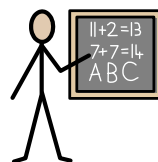
please



email



your



teacher.

<https://www.purplemash.com/sch/rosehillng3>



ROSEHILL
SCHOOL