

TITLE: Magic-print a three-digit number backwards

LEARNING SCENARIO	
School:	Duration (minutes): 90
Teacher:	Students age: 12

Essential Idea:	How to create magic-print a three-digit number backwards game?
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Topics:

- Pupils plan, anticipate, monitor, create and adjust programs.

Aims:

- Pupils design and create a working game or program for a specific purpose.

Outcomes:

- Pupils plan, anticipate, monitor, create and adjust programs.

Work forms:

- individual work
- work in pairs
- group work

Methods:

- presentation
- discussion
- interactive exercise

ARTICULATION

Course of action (duration, minutes)

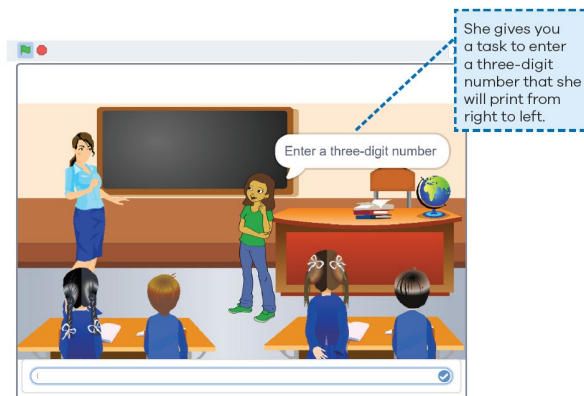
INTRODUCTION

Teacher explains and starts discussion with pupils:

Dee has a super-talent. She knows the number you type and prints it backwards. Discover the secret of her spell! She gives you a task to enter a three-digit number that she will print from right to left.

MAIN PART

Magic-print a three-digit number backwards, instructions:



1. The sprite gives you a task to enter a three-digit number, repeating it until you enter the correct number of digits.
2. Dee says: 'The input number is _____' for four seconds.
3. Dee speaks for ten seconds: 'Your number printed from right to left is _____'.

Correct the script block:

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when green flag clicked
ask "Enter a three-digit number" and wait
repeat until (answer < 1000 and answer > 99)
ask "Enter a three-digit number" and wait
say "The input number is " + answer for 2 seconds
set Backwards to join letter 3 of answer join letter 2 of answer letter 1 of answer
say "Your number printed from right to left is " + Backwards for 5 seconds
  
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EXERCISE 1

Change the script block so that Dee can do the same with a five-digit number!

CONCLUSION

Pupils and teacher discuss and evaluate the presented solutions.

Methods

presentation
discussion
work on the text
graphic work
interactive exercise /simulation on the computer

Work forms

individual work
work in pairs
group work
frontal work

Material:

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Literature

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PERSONAL OBSERVATIONS, COMMENTS AND NOTES
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