

Activity	<b>Number games</b>		
<b>Key:</b>	Due the various abilities of our children we have graded some of the activities into different levels. Your child may access different levels depending on the activity as well as their ability.	<b>Contact details:</b>	<a href="mailto:schools@cdssgroup.org.uk">schools@cdssgroup.org.uk</a>
<b>Seeds</b>			All Education Advocates access this email.
<b>Saplings</b>			Sarah Larkin (Cheshire West) Becky Harris (Cheshire West)
<b>Trees</b>			Yvonne Edwardson (Cheshire East)

### Brief description of Activity

Our children have to practise activities lots of times to make sure all learning goes into their long-term memory bank. Playing games is an excellent way of reinforcing number skills and you can be inventive with making easy games more difficult by adding another dice.

### Resources needed

Any game at home  
 Two dice or more if you want to make it even harder!  
 Paper resources attached  
 Post it notes  
 Numicon templates to demonstrate values.



### Activity - Seeds

Play a game of snakes and ladders. Use one dice and encourage your child to count the correct number of spaces at each turn. Are you travelling in the right direction? Check to see if the counter is moving forwards or backwards. There are different versions of snakes and ladders attached, use a smaller one for children who are beginning to use numbers. Learning to take turns is a skill, as is winning and losing. Demonstrate how to be a good loser and congratulate the winner with a high five, 'great game I enjoyed playing that with you'. etc.

### Activity – Saplings and Trees

You can play snakes and ladders again but this time use two dice and add the numbers together and move that many spaces.

You can use one dice and double the number to move that many spaces. Numicon can be used to demonstrate that two times five is the same as ten. Once your child is confident with the idea of doubling introducing different vocabulary and show that double five is the same as two lots of five, five add five and two times five.

You can use numicon to demonstrate the different ways you can make a number and to work out the sums on the dice. In this photograph we discovered there were lots of ways of making 7.

You could also use the numicon as a cue at first for doubling. Having two lots of one, two lots of two etc at the side for reference. Or have it written on a piece of paper. Once your child is confident with what the answer is then play again but cover or remove the prompt, this may take some time.



Another game is attached called Dice addition 4 in a row. Instructions are included but it involves adding up the numbers on two dice and covering up the appropriate number with counters to make a row of 4 counters.

### Activity – Trees

If your child is confident with numbers, then start at 100 and work backwards! Use the snakes and ladders game attached to practice place value. When you land on a square you have to say what is the value of the number underlined or you move back to your previous place.

### Attachments

Place value snakes and ladders  
 Snakes and ladders 1-20, 1-50, 1-100  
 Dice addition 4 in a row

### Cheshire Downs Syndrome Support Group

Registered Charity Number 1146127.

Website address: [www.cheshiredownssyndrome.com](http://www.cheshiredownssyndrome.com)

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