

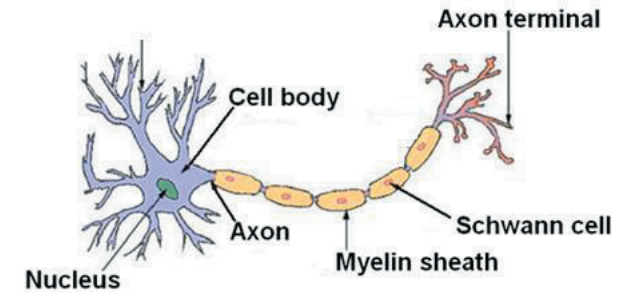
Cells Connect Four Game

Developed by Liz Haslam with help from her science colleagues in Tameside. You need to enlarge the board to A3. We have provided two sets of cards with different coloured writing which can be printed on a colour printer and then laminated and/or you may prefer to print them on coloured card. We've added picture cards which are optional.

Webaddress:

<http://www.collaborativelearning.org/cellsc4.pdf>

Last updated 29th March 2010



COLLABORATIVE LEARNING PROJECT

Project Director: Stuart Scott

We support a network of teaching professionals to develop and disseminate accessible talk-for-learning activities in all subject areas and for all ages.

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BRIEF SUMMARY OF BASIC PRINCIPLES BEHIND OUR TEACHING ACTIVITIES:

The project is a teacher network, and a non-profit making educational trust. Our main aim is to develop and disseminate classroom tested examples of effective group strategies that promote talk across all phases and subjects. We hope they will inspire you to develop and use similar strategies in other topics and curriculum areas. We want to encourage you to change them and adapt them to your classroom and students. We run teacher workshops, swapshops and conferences throughout the European Union. The project posts online many activities in all subject areas. An online newsletter is also updated regularly.

*These activities are influenced by current thinking about the role of language in learning. They are designed to help children learn through talk and active learning in small groups. They work best in non selective classes where children in need of language or learning support are integrated. They are well suited for the development of oracy. They provide teachers opportunities for assessment of talk.

*They support differentiation by placing a high value on what children can offer to each other on a particular topic, and also give children the chance to respect each other's views and formulate shared opinions which they can disseminate to peers. By helping them to take ideas and abstract concepts, discuss, paraphrase and move them about physically, they help to develop thinking skills.

*They give children the opportunity to participate in their own words and language in their own time without pressure. Many activities can be tried out in pupils' first languages and afterwards in English. A growing number of activities are available in more than one language, not translated, but mixed, so that you may need more than one language to complete the activity.

*They encourage study skills in context, and should therefore be used with a range of appropriate information books which are preferably within reach in the classroom.

*They are generally adaptable over a wide age range because children can bring their own knowledge to an activity and refer to books at an appropriate level. The activities work like catalysts.

*All project activities were planned and developed by teachers working together, and the main reason they are disseminated is to encourage teachers to work more effectively with each other inside and outside the classroom. They have made it possible for mainstream and language and learning support teachers to share an equal role in curriculum delivery. They should be adapted to local conditions. In order to help us keep pace with curriculum changes, please send any new or revised activities back to the project, so that we can add them to our lists of materials.

HOW TO PLAY CELLS CONNECT FOUR

You need 4 people, one gameboard and two sets of cards (different colours.)

Work with your partners to make two teams of two.

Each pair takes a set of cards

Teams shuffle their cards and place them in a pile facing down.

They take it in turn to turn over their top card and decide where to put it on the board.

The winning team gets four in row diagonally, vertically or horizontally.

Decide whether to have challenges or a checking system.

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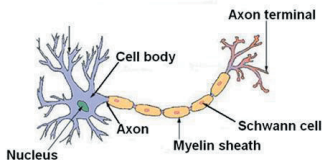
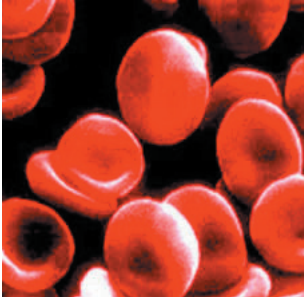
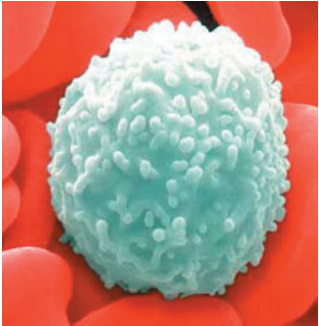
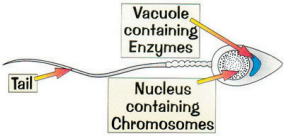
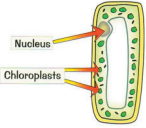
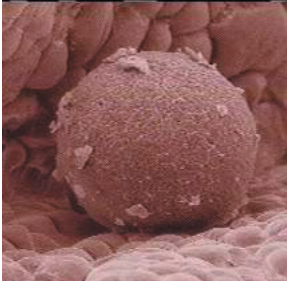
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Cells Connect Four Game Board

They contain a pigment used to absorb light energy.	These cells are found in leaves.	It controls what passes into and out of the cell.	These cells carry oxygen	These cells fight infection.	This is only found in a plant cell.
It is in the middle of a plant cell.	It controls the cell.	It keeps a plant cell the right shape.	These cells are found in the human body.	This is needed for photo-synthesis	This contains genetic information
These cells contain a red pigment called haemoglobin.	Sugar solution is stored here	This is found in plant cells and in animal cells.	Chemical reactions take place here	These are plant cells	These cells absorb water and minerals.
These cells have a tail.	These cells are used in animal reproduction.	These are the only cells which have no nucleus in the human body.	These cells carry messages around the body.	These cells are only found in the female reproductive system.	These cells are sometimes very long.

chloroplasts	the vacuole	the cell wall	the cell membrane	the nucleus	cytoplasm
red blood cells	nerve cells	palisade cells	root hair cells	sperm cells	egg cells
white blood cells	chloroplasts	palisade cells	the cell membrane	the vacuole	the vacuole
the cell wall	the nucleus	the nucleus	cytoplasm	red blood cells	red blood cells

<p>red blood cells</p>	<p>nerve cells</p>	<p>nerve cells</p>	<p>root hair cells</p>	<p>root hair cells</p>	<p>sperm cells</p>
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