

Multiplying Connect Four

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Originally thought up by Steve Cooke at Nottingham LEA.

To make up the game board you need to cut the left margin off board B and then glue it to board A so you have an A3 grid six across and four down. We usually mount these and laminate them once we have tried it out enough times and are sure it works well.

COLLABORATIVE LEARNING PROJECT

Project Director: Stuart Scott

Supporting a cooperative network of teaching professionals throughout the European Union to develop and disseminate accessible teaching materials 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 across all phases and subjects. We hope they will inspire you to use similar strategies in other topics and curriculum areas. We run teacher workshops, swapshops and conferences throughout the European Union. The project publishes a catalogue of activities plus lists in selected subject areas, and a newsletter available by post or internet: "PAPERCLIP".

*These activities were 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 mixed classes where children in need of language or learning support are integrated. They are well suited for the development of speaking and listening. They provide teachers opportunities for assessment of speaking and listening and other formative assessment.

*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 mother tongue 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 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.

Multiplying Connect Four Board

24	32	12
18	20	28
27	15	28
35	54	56

Board 1A

<http://www.collaborativelearning.org/multiplyingc4.pdf>

cut this margin off and join boards A and B to make your baseboard

45	54	21
15	20	27
24	35	48
32	18	12

Board B

<http://www.collaborativelearning.org/multiplyingc4.pdf>

Multiplying Connect Four cards

is a multiple of three	is a multiple of three	is a multiple of three
is a multiple of four	is a multiple of four	is a multiple of four
is a multiple of five	is a multiple of five	is a multiple of five
is a multiple of six	is a multiple of six	is a multiple of six
is a multiple of seven	is a multiple of seven	is a multiple of seven

Cards which you need to
cut up and print in two
colours

Multiplying Connect Four cards

is a multiple of eight	is a multiple of eight	is a multiple of eight
is a multiple of nine	is a multiple of nine	is a multiple of nine
is a multiple of two	is a multiple of two	is a multiple of two

HOW TO PLAY MULTIPLYING CONNECT FOUR

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

Work with a partner to make a team of two.

Shuffle your cards and place them in a pile facing down.

Take it in turn to turn over your top card and decide where to put it on the board.

The winning team gets four in row.

Decide whether to have challenges or a checking system.

Cards and instructions