

Regular Polygons Connect Four

An equilateral triangle	It has exterior angles of less than 72 degrees	It has interior angles of 60 degrees	It has interior angles greater than 90 degrees	It has interior angles of 108 degrees	It has interior angles greater than 90 degrees	It has exterior angles of 90 degrees	A regular nonagon
A square	It doesn't tessellate	It has exterior angles less than 90 degrees	It has exterior angles of 72 degrees	It has interior angles equal to or less than 90 degrees	It tessellates	It has exterior angles of less than 90 degrees	
	It has exterior angles less than 90 degrees	It has interior angles greater than 90 degrees	It has interior angles of less than 120 degrees	It has exterior angles equal to or greater than 90 degrees	It has exterior angles less than 90 degrees	It has exterior angles of less than 72 degrees	
	It has interior angles of 90 degrees	It has exterior angles of 45 degrees	It has interior angles of 135 degrees	It has exterior angles of 120 degrees	It has interior angles of 120 degrees	It doesn't tessellate	A regular hexagon
A regular pentagon	It has interior angles equal to or less than 90 degrees	It tessellates	It has interior angles of less than 120 degrees	It has exterior angles equal to or greater than 90 degrees	It has interior angles greater than 90 degrees	It has exterior angles of 60 degrees	
			A regular pentagon		A regular decagon		A regular septagon

Regular Polygons Connect Four

An extension of our quadrilaterals game. The webaddress for this activity is:

<http://www.collaborativelearning.org/regularpolygonsc4.pdf>

Last updated 11th February 2016

COLLABORATIVE LEARNING PROJECT

Project Director: Stuart Scott

We support a network of teaching professionals throughout the European Union to promote inclusive education. We 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 speaking and listening. They provide teachers opportunities for assessment of speaking and listening.

*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.

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It has exterior angles of less than 72 degrees.	It has interior angles of 60 degrees.	It has interior angles greater than 90 degrees.	It has interior angles of 108 degrees	It has interior angles greater than 90 degrees	It has exterior angles of 90 degrees
It doesn't tessellate.	It has exterior angles less than 90 degrees.	It has exterior angles of 72 degrees.	It has interior angles equal to or less than 90 degrees.	It tessellates	It has exterior angles of less than 90 degrees
It has exterior angles less than 90 degrees.	It has interior angles greater than 90 degrees.	It has interior angles of less than 120 degrees.	It has exterior angles equal to or greater than 90 degrees	It has exterior angles less than 90 degrees	It has exterior angles of less than 72 degrees
It has interior angles of 90 degrees	It has exterior angles of 45 degrees	It has interior angles of 135 degrees	It has exterior angles of 120 degrees	It has interior angles of 120 degrees	It doesn't tessellate
It has interior angles equal to or less than 90 degrees	It tessellates	It has interior angles of less than 120 degrees	It has exterior angles equal to or greater than 90 degrees	It has interior angles greater than 90 degrees	It has exterior angles of 60 degrees

Regular Polygons Connect Four Cards

An equilateral triangle

An equilateral triangle

An equilateral triangle

An equilateral triangle

An equilateral triangle

A regular septagon

A square

A square

A square

A square

A square

A regular decagon

A regular pentagon

A regular pentagon

A regular pentagon

A regular pentagon

A regular pentagon

A regular nonagon

A regular hexagon

A regular hexagon

A regular hexagon

A regular hexagon

A regular hexagon

A regular dodecagon

A regular octagon

A regular octagon

A regular octagon

A regular octagon

A regular octagon

An equilateral triangle