



CARTOON NETWORK™

ADVENTURE ACADEMY

TEACHER GUIDE





ADVENTURE ACADEMY: FRAMEWORK

WELCOME TO THE WE BARE BEARS FRIENDSHIP GARDEN CHALLENGE.

At the heart of this exciting, challenging and absorbing KS2 resource is the [STEM curriculum](#). Each of the five detailed lesson plans provide an original and intriguing approach to delivering aspects of the five subjects that make up STEM.

'GROWTH'

The resource also references the British Science Week theme for 2022 - Growth. The lessons and other materials contained in this resource have been developed to allow and encourage you and your pupils to interpret and develop the theme of growth imaginatively and creatively, while maintaining the STEM focus.

British Science Week runs from 11th-20th March 2022.
<https://www.britishscienceweek.org>

YOUR WE BARE BEARS FRIENDSHIP GARDEN CHALLENGE RESOURCE CONTAINS:

- 5 downloadable Key Stage 2 lessons.
- DFE KS2 National Curriculum links for each lesson and STEM subject, plus other subject links where relevant.
- A downloadable Pupil Activity Sheet to support each lesson.
- A presentation supporting each lesson.
- A link to a Lesson Starter containing a short *We Bare Bears* video clip, broadly reflecting each lesson theme.
- The exciting *We Bare Bears* Friendship Garden Competition.

- This Teacher Guide to provide further support and suggestions for each lesson.
- A downloadable *We Bare Bears* Friendship Garden Competition entry form.

WE BARE BEARS

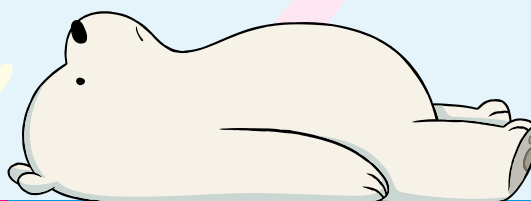
Your pupils will be familiar with (and love!) the three *We Bare Bears* brothers - Grizz, Panda and Ice Bear and the various situations they experience. One familiar dilemma for the Bears is that, while they'd like to befriend humans, they don't always get it right. Aspects of human behaviour can puzzle and confuse them, but they are determined creatures and don't let this deter them.

SPRING IS ON ITS WAY

In this series of lessons, the Bears are excited because spring is on its way and they can't wait to get outdoors, enjoy the sunshine and get back to nature.

This year, they've decided to share their enjoyment of the natural world with humans so they can get to know and understand them better, and ultimately make friends.

To achieve this, they've decided to launch a special garden - the *We Bare Bears* Friendship Garden - with the sole purpose of enabling them to interact more successfully with humans. As your pupils are more experienced at being human than Grizz, Panda and Ice Bear, the Bears want to recruit them to take over the garden design process.





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THE WE BARE BEARS FRIENDSHIP GARDEN CHALLENGE

Key elements to be built into the garden:

- It should be designed to be enjoyed by the Bears and by humans.
- Any equipment it contains (e.g. playground equipment, sports items etc.) needs to be capable of being used by both bears and humans – possibly, at the same time.
- If the garden has the space and capacity for fun activities to be designed into it (your pupils can decide), the activity areas and support equipment must be able to accommodate both the Bears and humans, hopefully enjoying the activity together.
- The garden should include a 'growth' area, for example a section set aside for cultivating plants, flowers, vegetables and trees to be enjoyed by bears and humans alike. This can be interpreted by your class.
- Alternatively, you/your pupils might interpret 'growth' in a wider sense; perhaps this area can be fashioned to enable and encourage humans (especially young humans) to find ways of achieving personal growth, through learning to appreciate the wonders of the natural world or exchanging lessons about life with the *We Bare Bears* brothers.
- The *We Bare Bears* are very aware of the importance of fitness through regular exercise so, they've decided that a part of the garden should be set aside for humans and the Bears to play together and get fit – another aspect of personal growth.

The Bears call the garden *We Bare Bears* Friendship Garden.

A GREAT CHALLENGE – WILL YOUR CLASS TAKE IT ON?

- You might choose to divide your class into pairs or small groups to take on the task.
- As the five Friendship Garden lessons unfold, your pupils will be involved in a research task where they'll refine their design skills and be encouraged to draw on their innate creativity.
- Each lesson will build on and further develop a specific STEM skill.
- Finally, in Lesson 5, they'll be offered the opportunity to enter their completed Friendship Garden design into a competition with terrific prizes.
- Each lesson will offer a short lesson starter in the form of a brief *We Bare Bears* video clip with a theme relating to the main lesson focus. This will be available through a presentation-embedded link.



**PLEASE SEE THE SEPARATE
DOWNLOADABLE LEAFLET
FOR COMPETITION DETAILS**

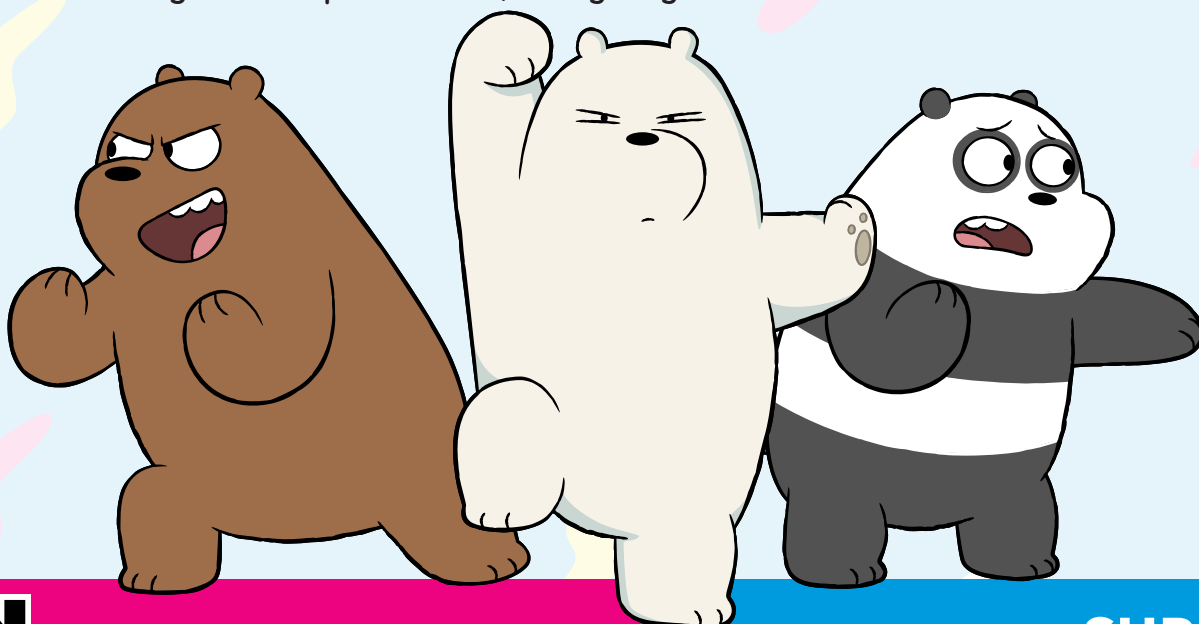




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LESSON 1: WE BARE BEARS SAY "HI!"

- Pupils share their knowledge of the *We Bare Bears* brothers, focusing on their differing personalities, needs and interests. You might open the discussion by asking 'Which Bear are you?'
- This could broaden into a discussion about diversity e.g. is there an equivalent of Panda in the class or, would anyone in the class identify themselves as sharing Ice Bear's characteristics?
- Finally, this opening part of the lesson might consider the benefits we gain by interacting with a wide and diverse range of people with contrasting backgrounds, life experience and interests.
- The core part of the lesson is devoted to research. Pupils are tasked to discover the amazingly wide variety of types of garden to be found throughout the UK and the world.
- They might also investigate great garden designers of the past such as Capability Brown who landscaped more 170 of the most beautiful parks across the UK. <http://capabilitybrown.org>
- While conducting their research, pupils should make notes and rough sketches, focussing on elements of gardens that they like and which they might choose to incorporate into a design of their own.
- These notes and drawings should be kept safely as they will be useful in subsequent Friendship Garden lessons.
- The STEM focus for this lesson will be across the subject range, e.g. a broad investigation of gardens, their locations throughout the world, discovering how differing garden formats are a reflection of geographical setting, climate, discovering why certain gardens reflect the climatic conditions of their native country, how differing soils encourage different plant varieties, costing the garden etc.





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LESSON 2: THE WE BARE BEARS FRIENDSHIP GARDEN CHALLENGE.

- A useful lead-in to the main part of the lesson might be to lead a discussion about the benefits that gardens and gardening bring to humans.
- These might include the way that carefully thought-out gardens can support the environment by helping to mitigate climate change, the physical fitness dimension of regular gardening and the way in which a well-planned and soothing garden environment, as well as gardening itself, can substantially benefit mental health.

Then, the *We Bare Bears* Friendship Garden Challenge is launched.

- Pupils will be tasked to use their STEM skills to create a garden which can be enjoyed by both the Bears and humans at the same time, in the same environmentally sympathetic space.

You might wish to make suggestions about:

- | | | |
|----------------------------|---------------------------|----------------|
| • Play equipment | • A quiet reflection area | • Sports areas |
| • Landscaping | • Seating | |
| • Vegetable and herb areas | • Water feature(s) | |

Pupils don't have to include all (or any) of the above; they're free to design and create the garden they want at your discretion, BUT, the garden and everything it contains, MUST bring the humans and the *We Bare Bears* brothers together.

- If they wish their garden to include a basketball court, for example, the nets and backboards must be accessible to both the Bears and the humans whilst a seesaw will need to be cunningly designed so that it can function with a bear sitting at one end and a human at the other end - at the same time!

The STEM focus for this lesson is Science: For example, how choosing certain types of plants, flowers and shrubs can help nature by attracting butterflies and bees and by conserving precious water. Or, how to come up with a scientifically derived design for a differentially weighted seesaw!





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LESSON 3: TECHNOLOGY AND THE WE BARE BEARS FRIENDSHIP GARDEN CHALLENGE.

This lesson focuses on the Technology strand of STEM.

The challenge of designing the seesaw described in Lesson 2 is just one example of how science and technology can contribute to a successful Friendship Garden design. Computer Aided Design (CAD) might also be used to assist the design process, thus demonstrating how a combination of their own creativity and cutting-edge technology can combine to produce a stunning Friendship Garden.

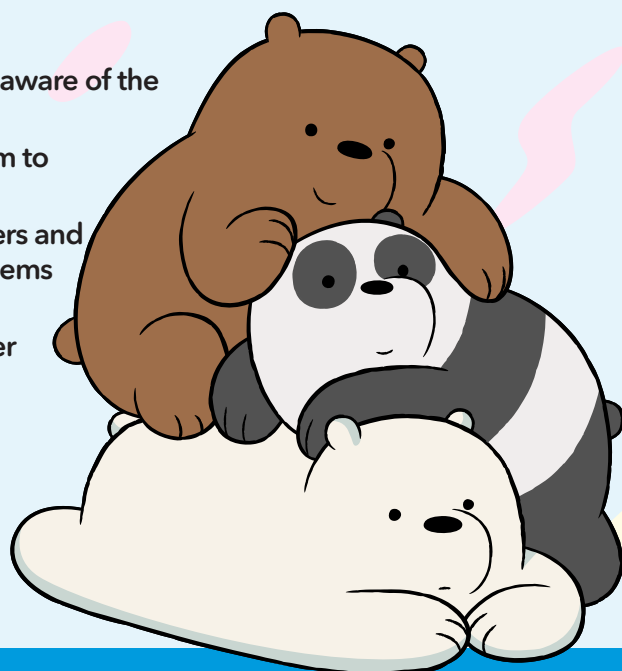
Pupils might also investigate how technology might be used to:

- Make the Friendship Garden safe.
- Allow the garden to be environmentally sympathetic.
- Create elements to match the needs and preferences of each of the *We Bare Bears* brothers.
- Introduce innovative new materials to make the park modern, secure and attractive.
- Create 2D or 3D computer images of their design.

LESSON 4: COSTING THE WE BARE BEARS FRIENDSHIP GARDEN CHALLENGE.

In this lesson the STEM spotlight falls on Mathematics.

- Having created a draft plan for their park, pupils now need to be aware of the financial dimension of the project.
- You may wish to set each pair or group, a budgetary limit for them to work within.
- They can cost materials they plan to use, e.g. plants, shrubs, flowers and trees, as well as additional costs incurred when creating special items such as water features, fishponds or waterfalls.
- Drawing up the final plan for the Friendship Park presents another mathematical dimension. For example, you might ask them to draw the plan to scale or provide accurate measurements for the various sections of the park.





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LESSON 5: IT'S THE WE BARE BEARS FRIENDSHIP GARDEN CHALLENGE COMPETITION!

This lesson brings all the STEM subjects together to launch the *We Bare Bears* Friendship Garden Competition.

Pupils should now bring all of their research and all five of the STEM subjects to produce a finished design for the *We Bare Bears* Friendship Garden.

You'll find a useful checklist on the next page to help you guide your pupils into blending all the diverse elements into a garden that will be attractive, striking and most of all, enjoyable to visit.

Win some amazing prizes, including:

- £500 towards gardening equipment for your school!
- Cartoon Network goodie bag for the winner!

DON'T FORGET TO DOWNLOAD THE SEPARATE COMPETITION ENTRY FORM!!

CLOSING DATE IS FRIDAY 1ST APRIL 2022.



THANK YOU for using The We Bare Bears Friendship Garden Challenge resource.

We hope you and your pupils enjoy creating their wonderful Friendship Gardens!



WE BARE BEARS FRIENDSHIP GARDEN CHECKLIST

FEATURE	INCLUDED	COMMENT
Grizz Friendly		
Panda Friendly		
Ice Bear Friendly		
Human Friendly		
Potential to improve <i>We Bare Bears</i> /human relations		
Play equipment accommodates needs of the <i>We Bare Bears</i> brothers and humans		
Clear, accurate costings		
Realistic budget		
Drawn to scale		
Robust safety features		
Innovative use of technology		
Presentation (score out of 10)		