

Engage

CREST Star Kit Box Pilot Launch session

November 2024

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What we'll cover in today's session

- Housekeeping
- Timeline for the academic year
- Recap of the project aims
- An introduction to your kit box what are the CREST activities, equipment and printed resources included?
- An introduction to the supporting webpage and online resources available to help you
- Any questions?









Housekeeping

- Thank you for your valuable time this online session will last no more than 45 minutes.
- Please switch your cameras on if you're happy and able to.
- There will be a chance to ask questions towards the end of the session, or feel free to leave any comments / queries in the chat.











CREST Star Kit Box Pilot – current timeline

Autumn Term 1, 2024 – Evaluation activity (thank you for sharing your thoughts!)

Autumn Term 2, 2024 – Receive your kit box and launch webinar

Spring Term 1 2025 – Drop-in support webinar

Spring Term 2 2025 – Drop-in support webinar

Summer Term 1 2025 – Drop-in support webinar

Summer Term 2 2025 – Post-activity survey and interview

You may also be invited to host one of our evaluators in your school during the academic year, so they can see the kit boxes in action!









CREST Star Kit Box Pilot - aims

- Participation and inclusion for all children (not just an enrichment activity!)
- Children given the opportunity to complete **at least 6 projects**, allowing them to gain their CREST Award certificate
- Family involvement
- Use of the supporting resources (webpage, demo videos, PPT slides, drop-in webinar sessions)
- Evaluation, to capture successes and highlight areas for development
- Resources can be shared with colleagues and re-used beyond this academic year







Introducing the CREST Star Kit Box For early years and primary

(ages 3-7, or those working at this level)







Aunt Stella
Aunt to Cosmic and Gem











Gem, Cosmic, Tara, Zeke, and Seren all go to the same school.



Your kit box contains a white box of printed resources:

- a welcome letter
- an intro card
- activity and organiser cards (coated for durability)
- CREST passports
- CREST stickers
- CREST Star certificates and ironon badges



The 8 CREST activities









Testing Timers

"Let's get practising," says Cosmic.

minute to throw as many beanbags as they can into a hoop.

It will soon be sports day and Cosmic, Gem and Seren are very excited. They

have all been chosen to take part in their favourite game. They will have just one

"Good idea, we can start straight away," replies Gem. "I think there's a hoop and

They are having a wonderful time until Uncle Astro comes into the kitchen to check

ow his cakes are getting on in the oven. "What are you three getting up to now

he says with a smile, "Off you go into the garden before something gets broken."

"And then we can't time one minute to see how many beanbags we get in the

"Why don't you make a timer that you can take outside?" suggests Uncle Astro.

Have you ever seen a sand timer? How do you think a sand timer works?

Cosmic thinks you'll need a lot of sand to measure one minute.

Seren thinks it might depend on the size of the hole in the timer.

Gem thinks you only need a little bit of sand.

What do you think?

"But we won't be able to see the clock from there," cries Cosmic.

some beanbags in the garden, and we can use the clock on the kitchen wall to



Aunt Stella is very excited, she has been invited to a friend's wedding

"Have you got a new dress," Seren asks, "and a new hat?" Aunt Stella goes to her wardrobe and pulls out a rainbow coloured dress and a bright purple hat.

"You are going to look fantastic," says Cosmic. "Do you have an umbrella too, in case it rains?" Aunt Stella nods and goes to the cupboard and pulls out a huge, rainbow coloured umbrella to match her dress. "Here it is." she says.

"It's enormous! Can we try it Aunt Stella?" shouts Cosmic, as he rushes outside to open the umbrella.

But it's raining outside and no sooner has Cosmic opened the umbrella than drip, drip, drip, rain is tumbling onto his head through the umbrella. The umbrella is full of holes! The umbrella is useless. "What am I going to do?" says Aunt Stella. "I don't have another one."

"Don't worry Aunt Stella, I am sure we can fix it for you," says Cosmic.

"We just need to find something waterproof," suggests Seren.

Cosmic and Seren need to find something to fix Aunt Stella's umbrella.

Cosmic thinks they need a sponge to make it waterproof

Seren thinks they need thick fabric to fix the umbrella Aunt Stella thinks they need brightly coloured, thin fabric to fix the umbrella.

What do you think?

Animal Adventure

Can be run in small groups or with a whole class (groups of 3)





Get children thinking about minibeasts and habitats. They will explore an outdoor area and go on a minibeast hunt!

- Cloth bag (for children to carry the equipment)
- Magnifying glass
- Collection scissors
- Plastic tub

(example petri dish as a model)





Be Seen, Be Safe

Best run in small groups (a pair or group of 3 at a time)



Get children thinking about reflection and light. Test materials to see how reflective they are and how to be seen at night.

- Large black table-cloth
- Torch
- Materials to test (e.g. black and white t-shirts, coloured paper and foam, mirrored card, high-vis material)





Peggy Problem

Best run in small groups (one or two pairs at a time)



Get children thinking about grip and strength. They will test different types of peg and see how strong they are.

- Washing line
- Coloured socks
- Selection of pegs
- Large pebbles and sticky dots (number the pebbles using the dots and use them in the same order each time!)

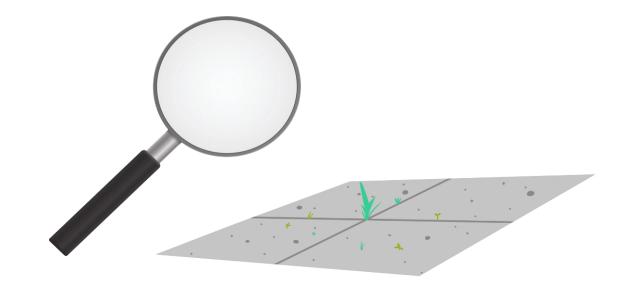
Plant Detectives

Can be run in small groups or with a whole class (groups of 3)



Get children thinking about where plants grow. They will investigate plants in their outdoor surroundings.

- Magnifying glasses (reused from Animal Adventure)
- Sticky dots (optional - for marking findings on a map)



Sneaky Shadow

Can be run in small groups or with a whole class (groups of 3)





Get children thinking about shadows. They will experiment with making shadows, then create their own shadow play!

- Torches (one reused from Be Seen, Be Safe)
- Cardboard frame, tracing paper and notched stand
- Chopsticks, black card and sticky tack (for puppets)
- Translucent coloured paper (to experiment is it possible to make a coloured shadow?)

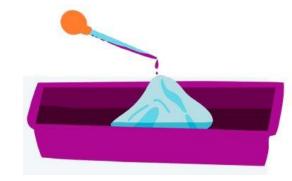


Sniffly Sneezes

Can be run in small groups or with a whole class (groups of 3)



Get children thinking about strength and absorbency. They will test materials to see which will make a good hankie.



- Plastic tray
- Beaker
- Green paint (to colour water)
- Pipette
- Materials to test (e.g. paper, cotton wool, tissues, baking parchment)



Testing Timers

Can be run in small groups or with a whole class (groups of 2 or 3)



Get children thinking about how sand timers work. They will observe real sand timers and then make their own!

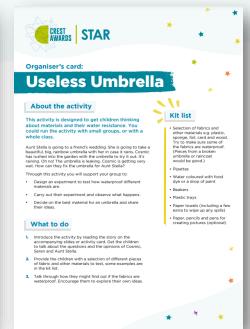
- Real sand timers to demo
- Paper cups
- Sticky tack (to help make holes in cups safely)
- Coloured sand



Useless Umbrella

Can be run in small groups or with a whole class (groups of 3)





Get children thinking about materials and their water resistance. They will test these to find which is best to repair an umbrella.

- Plastic tray and beaker (reused from Sniffly Sneezes)
- Blue paint (to colour water)
- Pipette (reused from Sniffly Sneezes)
- Mini umbrella (with small holes!) to use as a story prop
- Materials to test (e.g. sponge, wood, foil, cotton)
- Paper towels for testing





Supporting resources

 Dedicated CREST Star kit box webpage with links, ideas and FAQs

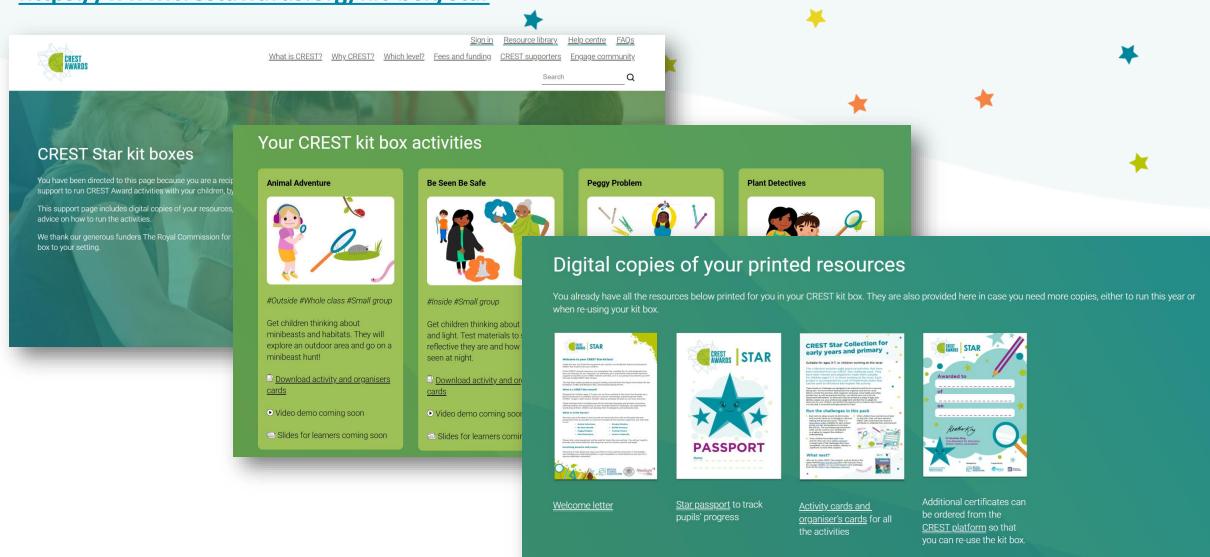
https://www.crestawards.org/kit-box/star

- Demo videos for each activity showing you how to set up the equipment, run the investigation and capture children's results
- Accompanying PPT slides to use on your whiteboard or a laptop, to introduce the activities and support your children's understanding
- Digital versions of the resources so you can print additional copies



Supporting webpage

https://www.crestawards.org/kit-box/star



Involving parents and carers

Some of the ideas that you shared!



- You could share photos of the children taking part in the activities in your newsletter, or on a photo sharing platform if you use one.
- You might like to invite parents and carers into your setting to support running the activities, or to see the investigations in action.

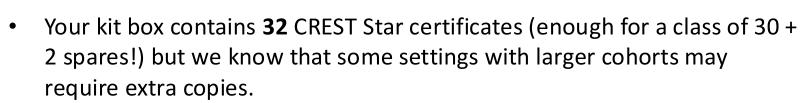
- Why not send some of the activities or follow-on tasks home, for families to try together.
- You could invite parents and carers to a special celebration assembly to watch the children receive their CREST certificates.



Ordering additional CREST certificates

Well done





• These can be ordered from our online platform which is linked on the Star kit box webpage.







What next?

- We will share this presentation, so you have a record of the kit box overview
- We will be in touch with the dates of the Spring and Summer support webinars, but please feel free to get in touch with any queries in the meantime: crest@britishscienceassociation.org
- Our evaluators may be in touch to arrange a visit if you have let them know that you would be happy to host them!



Thank you so much for your time!



Engage Teacher Network

Any questions?







@CRESTAwardsUK

