



Engage

Teacher Network

CREST SuperStar Kit Box Drop-in support session

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In partnership with





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Housekeeping

- Thank you for joining us for our final support webinar of the academic year!
- Please switch your cameras on if you're happy and able to.
- Feel free to join in with any thoughts and questions, or you can leave comments and queries in the chat.





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What we'll cover in today's session

- Completing the CREST challenges and awarding certificates
- Reusing your kit box next year
- Creating a CREST account and ordering more certificates
- Evaluation and feedback
- Q & A





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Your CREST SuperStar Kit Box

Completing the challenges and awarding certificates

Playground Games

- Ball without
- Tennis
- Air pump
- Balls
- Hoops

Super Spinners

- Paper
- Scissors
- Marker
- Paper clips
- Glue stick

The 8 CREST activities in your kit box:

CREST AWARDS | SUPERSTAR

Crafty Rafts

Organiser's Card

About the activity

This activity is designed to get children designing and making a raft that floats. The children have been asked to design a raft. The Cub Scouts and Brownies of Starston are having a problem making a raft that floats.

Through this activity you will support your group to:

- Design and make a model raft using just a piece of paper
- Conduct a fair test to see which raft design can hold the most weight
- Record and present their results.

Kit list

- Plastic basins or bowls of water - 1 per group
- A square sheet of paper (20 cm x 20 cm) or A4 - 6 per group plus spare sheets
- Foil (optional as an alternative to paper)
- A set of marbles all the same size - 30 per group plus lots of spares
- Sellotape, masking tape, staples, or other fasteners - provide the same for each group
- Waterproof coverings if you are working on wooden desks

CREST AWARDS | SUPERSTAR

Fantastic Fingerprints

Organiser's Card

About the activity

This activity is designed to get children thinking about fingerprints. The investigators have been given a news article about fingerprints. Teachers at Starston Primary School are wondering if they can use fingerprints to identify the students. Are the students' fingerprints that different?

Through this activity you will support your group to:

- Collect their fingerprints
- Compare different fingerprints and identify patterns
- Record and present their results

Kit list

- Dust (flour, chalk, talc, cocoa powder)
- Soft pencils
- Blank paper (white paper for pencil and cocoa prints; black paper for white powder prints)
- Other things to investigate e.g. oil or cream (leave a print on DFT film or plastic, non-permanent markers etc.)
- Sellotape
- Scissors
- Hand lenses or magnifying glasses
- Hand lenses or magnifying glasses

What to do

1. Introduce the activity using the news article. Ask them if they have taken a fingerprint before.
2. Show children the news article and the results. Draw children's attention to the different patterns found in fingerprints (loops, arches and whorls).
3. Explain that they will be working in groups to collect fingerprints from their friends. They will be working out if they can identify their friends by their fingerprints.

CREST AWARDS | SUPERSTAR

Investigating Ink

Organiser's Card

About the activity

This activity is designed to get children thinking about how to identify different inks using chromatography. Lady Felicity Faline's prize winning Cocker Spaniel has been dog napped and a note has been sent asking for a ransom. Can the investigators work out which one of the four suspects wrote the note based on the type of ink used?

Through this activity you will support your group to:

- Experiment with different ink pens using chromatography
- Design an experiment to help them identify the pen used to write a note
- Share their conclusion and present evidence to support it.

Kit list

- Absorbent paper (e.g. blotting paper, white filter paper, white coffee filters)
- Four pens (not ballpoint) with black water-soluble ink inside, labelled with the suspects' names
- It's better to have a set per group
- Additional pen or black ink for the initial explanation - you must check that the colour separates
- Random note (written using one of the pens prior to the activity). Don't worry if it spreads a bit.
- Scissors or snips
- Extra non-permanent marker pens in various colours
- Thin paper for wanted posters

What to do

1. Read the ACTIVITY CARD to familiarise yourself.
2. Help children to collect resources.
3. Explain that they will be working in groups to investigate the ink used to write the note.
4. Help children to design an experiment to help them identify the pen used to write a note.
5. Help children to share their conclusion and present evidence to support it.

CREST AWARDS | SUPERSTAR

Playground Games

Organiser's Card

About the activity

This activity is designed to get children thinking about disabilities and creating games that are accessible and inclusive. Comic and Gem's friend Lyla has limited vision, but would like to join in on their games. Can the investigators find some accessible games?

Through this activity you will support your group to:

- Learn about the effects of limited vision.
- Design games taking into account the needs of different players.
- Evaluate their games.

Kit list

- Games equipment such as bean bags, balls, cones, poles etc.
- Balls and other noise makers
- Torches and other lights
- Ear plugs
- Low vision simulators (there is a template you can use following the Activity Card)

What to do

1. Read the ACTIVITY CARD to familiarise yourself.
2. Help children to collect resources.
3. Explain that they will be working in groups to design and play accessible games.
4. Help children to design games taking into account the needs of different players.
5. Help children to evaluate their games.

CREST AWARDS | SUPERSTAR

Super Spinners

Organiser's Card

About the activity

This activity is designed to get the children thinking creatively about helicopter blades, and how different blade sizes change the way a paper spinner falls. Mr Spynowhere arrived for work in a helicopter, amazing the students. He's testing which helicopter is best. Can the students help to find out if a longer blade design will make a difference?

Through this activity you will support your group to:

- Think about what makes paper fall in different ways
- Test whether a paper spinner falls in different ways with different blade sizes
- Share their ideas with the group

Kit list

To make the spinners they will need:

- A4 Paper
- 30 cm ruler
- Metre ruler
- Paperclips or Blu-Tack
- Scissors
- 1 ready-made spinner to show the children how they work
- Large and small templates for spinners (if you think children will need them) - see following page
- Stopwatches
- Other types of paper and card

CREST AWARDS | SUPERSTAR

Under Your Feet

Organiser's Card

About the activity

This activity is designed to get children thinking creatively about nature. Stella Storyteller is struggling for inspiration for her latest story book. It's the story of two special children who wake up one morning and find themselves the size of ants. Can the children help to find a challenge for the 'trapped' duo?

Through this activity you will support your group to:

- Think about the world around them from a different perspective
- Investigate and explore what living things they can find outdoors
- Record their thoughts and ideas and present them to share with the group

Kit list

To test temperature change of water in different sized bottles they will need:

- Cut out 'feet' for children to record their results on - you might want to provide a template as children's feet are usually too small
- Cut out 'holes' for children to place on the ground and look through
- Hand held magnifiers
- Identification charts or books
- Drawing materials - thin coloured markers or pencils etc.
- Digital camera (optional)

What to do

1. Read the ACTIVITY CARD to familiarise yourself with the activity.
2. Check the kit list and ensure you have the correct resources.
3. Set the scene by discussing the story with the children.
4. Help children gather the resources.
5. Encourage children to talk together about their ideas and carry out their own investigations.
6. Discuss the differences between warm-blooded and cold-blooded animals.
7. Encourage children to read scientists' arguments for and against dinosaurs being cold-blooded.
8. Help children to recognise that more tests may be needed to reach a firm conclusion.

CREST AWARDS | SUPERSTAR

Warm or Cold

Organiser's Card

About the activity

This activity is designed to get children thinking about warm and cold-blooded creatures. Dina Digi needs some help working out whether dinosaurs were cold-blooded or not. Can the children work it out by doing some tests?

Through this activity you will support your group to:

- Explore whether dinosaurs were warm or cold-blooded
- Investigate the difference size makes to how quickly things cool down.
- Complete a grid to compare warm and cold-blooded theories.
- Design a dinosaur fact sheet.

Kit list

To test temperature change of water in different sized bottles they will need:

- Different sized plastic bottles with lids
- Measuring jugs
- Warm water
- Thermometer and stop watch or data logger

What to do

1. Read the ACTIVITY CARD to familiarise yourself with the activity.
2. Check the kit list and ensure you have the correct resources.
3. Set the scene by discussing the story with the children.
4. Help children gather the resources.
5. Encourage children to talk together about their ideas and carry out their own investigations.
6. Discuss the differences between warm-blooded and cold-blooded animals.
7. Encourage children to read scientists' arguments for and against dinosaurs being cold-blooded.
8. Help children to recognise that more tests may be needed to reach a firm conclusion.

CREST AWARDS | SUPERSTAR

Windy Ways

Organiser's Card

About the activity

This activity is designed to get children thinking about wind patterns and directions. Bubbles provide an interesting and engaging way for children to investigate wind speed and direction. They can make simple measurements of the time it takes for bubbles to travel a set distance to get wind speed, and can spot the movement of bubbles to get the wind direction.

The children are asked to read a new article. Starston Primary School has been invited by an organisation called OPAL to take part in an exciting new weather survey. It has asked the school to see if they can find out about the wind using bubbles! Can they help?

Through this activity you will support your group to:

- Think about how the wind behaves
- Investigate wind speed and direction using bubbles
- Record and present their results to the group

Kit list

- Bubble blowers and solution
- Pens or pencils
- Paper
- Compasses
- Tasers
- Measuring tapes or sticks

What to do

1. Introduce the activity using the story. Set the scene by discussing the weather and how it is measured and get the children to think about their own experiences of things blowing in the wind (balloons, direction winds etc.)
2. Give out activity cards and equipment to the children. Let them practice blowing bubbles.
3. Explain that they will be trying to measure wind direction and the speed that the bubbles travel.
4. Encourage children to talk together about their ideas and how they will use the resources to carry out their investigations.
5. Support children to conduct their investigation and make their own records of their results. Go outside to carry out the investigation. Make sure groups are not too close together.
6. Ask the children to present their findings to the rest of the group. They can be as creative in their presentation as they want. They could record their findings by making a chart or presentation.



Awarding your certificates

Once your pupils have completed **at least 6 of the activities**, they can receive their CREST certificate!





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Reusing your kit box next year

Where to find replacement resources



Reusing your kit box

Additional Activity Cards, Organiser's Cards and CREST Passports can be printed from the kit box webpage:

<https://www.crestawards.org/kit-box/superstar>

Digital copies of the printed resources in your kit box

For displaying on your screen or for printing additional copies:

[Welcome letter](#)

[SuperStar passport](#)

[Activity cards and organiser's cards](#) for all the activities

Additional certificates can be ordered on the [CREST platform](#) so that you can re-use the kit box.

✓ Your kit box activities:





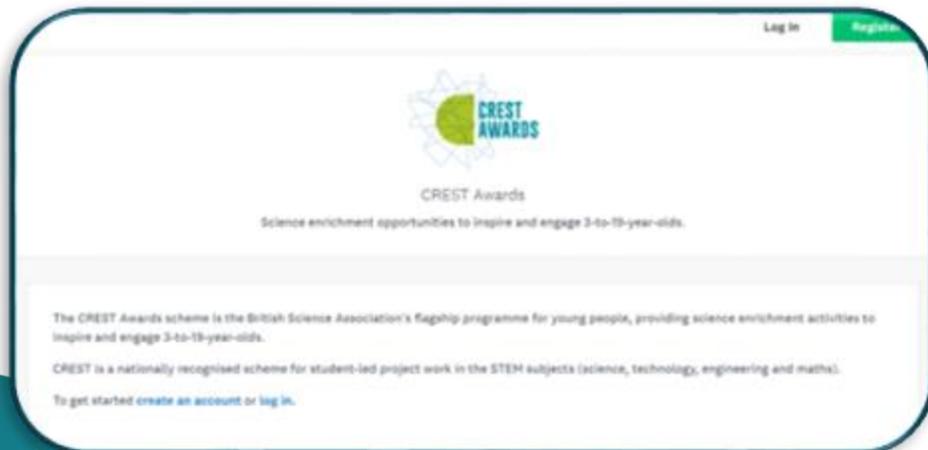
Ordering additional CREST certificates

Step 1: Create an account

Go to <https://apply.crestawards.org/>

Click on 'create an account'

Sign up as an individual or organisation.



Register as an individual

Register as an organization

First name

Last name

Email

Password

Confirm password

By registering for an account, you agree to our [terms of service](#) and [privacy policy](#).



Ordering additional CREST certificates

Step 2: Add your programs (CREST Awards)

Click on 'Programs' (top right)

Select **CREST SuperStar**

Then select 'APPLY'

A screenshot of the CREST Awards website's 'Programs' page. The top navigation bar includes 'Page', 'Programs', and 'Applications', with 'Programs' circled in orange. Below the navigation, there's a search bar and a 'Return to admin' link. The main content area displays four program cards: 'CREST Silver', 'CREST Star', 'CREST SuperStar', and 'CREST Gold'. The 'CREST SuperStar' card is circled in orange. Each card includes a brief description, a note that 'Organizations and individual applicants can apply', and a 'MORE >' button. The 'CREST Silver' card also shows '3 Applications'.



Ordering additional CREST certificates

Step 3: Fill in your school/pupil details

Add your country from the dropdown

Click on 'Tell us about your group' on the left

Enter the number of pupils who have/will be doing CREST Awards at this level

Select your organisation type from the dropdown

Enter your school name and reference number

Click 'Next'

A screenshot of a web browser displaying the CREST Awards application interface. The browser's address bar shows 'apply.crestawards.org/sub/31311749/'. The page header includes 'CREST Awards' and navigation links for 'Pages', 'Programs', 'My Applications', and 'Apple Crest'. The main content area is divided into two columns. The left column shows a progress indicator '0 of 1 tasks complete', a 'Last edited' timestamp of '20 May 2024 01:23 PM (BST)', and two buttons: 'REVIEW' and 'SUBMIT'. Below this is a user profile for 'Apple Crest (Owner)' with the email 'applycrest@gmail.com' and an 'Add collaborator' button. The right column displays 'CREST SuperStar' with a 'Preview' link, the reference number 'SU-0000003982', and a status of 'In progress'. It features two tabs: 'APPLICATION' (selected) and 'ACTIVITY'. Under the 'Your tasks' section, there is a dropdown menu for 'Country / Territory Registration' with a right-pointing arrow. The footer contains 'POWERED BY Apply' and 'Copyright © SurveyMonkey | Privacy | Terms'.



Ordering additional CREST certificates

Step 4: Fill in your school/pupil details

Enter the diversity information for the number of pupils you specified

You must enter a value in every box, put a 0 in boxes that are not needed

You can choose 'not known' or 'prefer not to say' for any field

Once you have filled every box for gender, ages, ethnicities, SEN and free school meals, click on 'Next'

A screenshot of a web browser displaying the CREST Awards application form. The browser address bar shows 'apply.crestawards.org/tsk/31311749/fmv/260504505/e/'. The page title is 'CREST Awards'. The navigation menu includes 'Pages', 'Programs', 'My Applications', and 'Apple Crest'. The main content area is divided into two columns. The left column shows a progress bar for '1 of 2 tasks complete' and a 'SUBMIT' button. The right column is titled 'Tell us about your group' and contains a 'Diversity information' section. This section includes instructions: 'Please provide diversity information for the group. We ask for this information for diversity monitoring purposes and to see how CREST is contributing to the British Science Association's vision.' and 'Find out more about what we do with your data.' Below this, there is a 'Student genders*' section with the question: 'Which of the following best describes your students' genders? Enter the number of students of each gender. Enter zero if there are no students for an option.' A 'Boys' label is visible above a text input field.



Ordering additional CREST certificates

Step 5: Fill in your delivery details

Enter the address where you would like your certificates sent to

Select your country then enter the postcode

Enter your school or organisation name

Click on 'Mark as complete'

A screenshot of a web browser displaying the CREST Awards application form. The browser's address bar shows the URL: apply.crestawards.org/tsk/31311749/fm/260504505/e/7k=31311749&cs=ey/hwYwDlcGF0aCI6IFswLCAxLCAyXX0%3D&h=a2e5e9580d8429637a6db63e6f... The page title is 'CREST Awards'. The navigation menu includes 'Pages', 'Programs', 'My Applications', and 'Apple Crest'. The main content area is divided into two columns. The left column shows a progress bar with '1 of 2 tasks complete' and a 'SUBMIT' button. The right column is titled 'Tell us about your group' and contains a 'Delivery address' section with input fields for 'Address line 1*', 'Address line 2', 'Address line 3', 'Country*', and 'Delivery School/Organisation Name (skip this line if not delivering to school or organisation)'. A 'REVIEW' button is also visible at the bottom of the left column.



Ordering additional CREST certificates

Step 6: Fill in your project details

Check you are happy with the information you have provided

Click on 'Record your CREST SuperStar Challenges' on the left

Select the title of each of the challenges you have done/plan to do. If you are using your own challenges, select 'Other'

Click on 'Mark as complete'

A screenshot of a web browser showing the CREST Awards application form. The browser address bar shows "apply.crestawards.org/tsk/31311749/fm/260504505/". The page title is "CREST Awards". The navigation bar includes "Pages", "Programs", "My Applications", and "Apple Crest". The main content area is divided into two columns. The left column shows a list of tasks: "Country / Territory Registration" (completed), "Tell us about your group" (completed), and "Record your CREST SuperStar challenges" (not completed, circled in orange). A progress bar indicates "2 of 3 tasks complete". The right column shows the "CREST SuperStar Application Form" with a "Tell us about your group" section completed on 20 May 2024. The form includes a description of CREST SuperStar, a link to a resource library, and a section for "Number of students*" with a text input field containing "30". The "Record your CREST SuperStar challenges" step is highlighted with an orange circle.



Ordering additional CREST certificates

Step 7: Complete your order

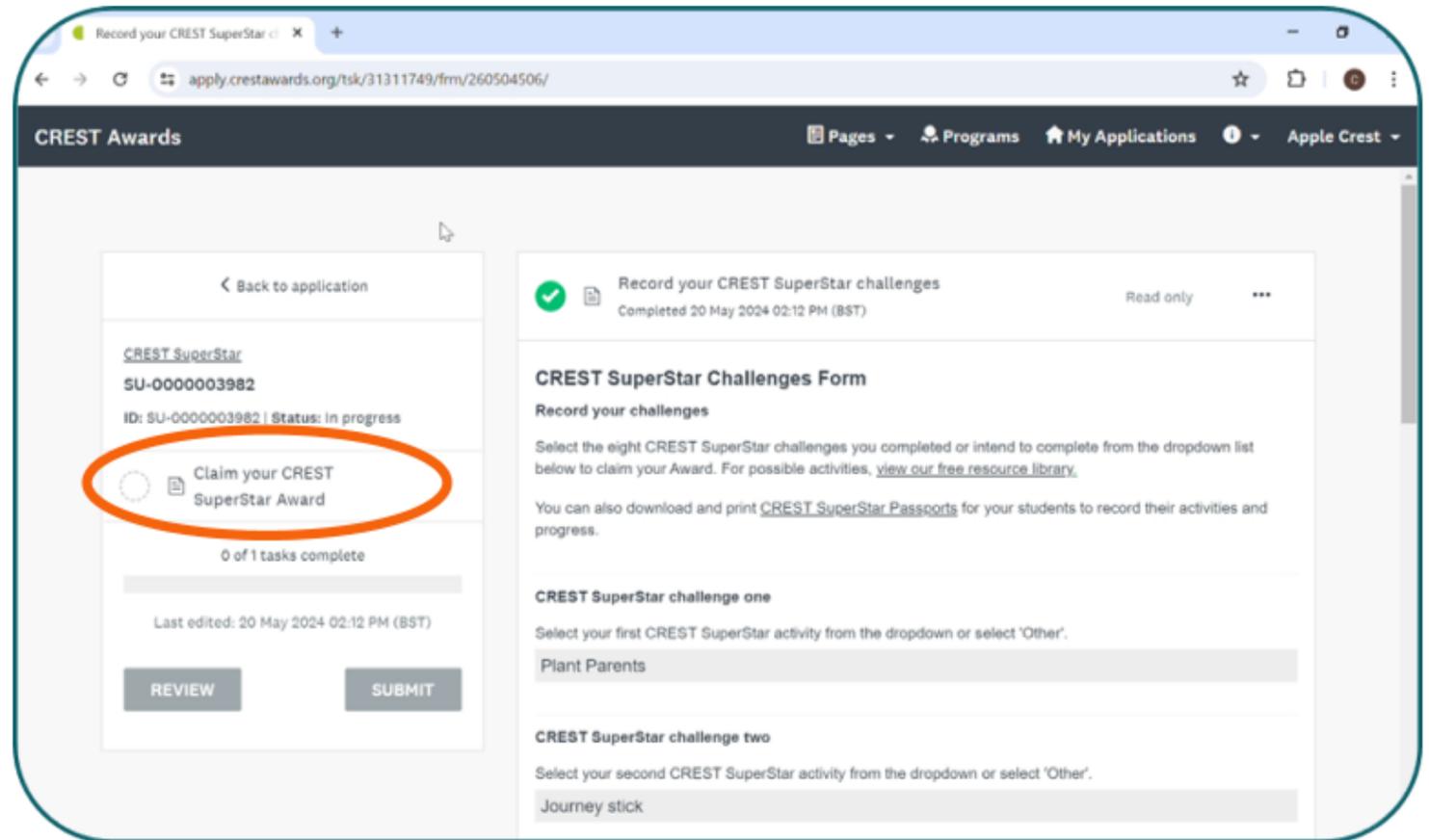
Check you are happy with the information you have provided

Click on 'Claim your CREST SuperStar Award'

Enter payment details.

Click on 'Next'

Click on 'Mark as complete'





Ordering additional CREST certificates

Your certificates should arrive in 3-4 weeks' time!

There is a small cost of £1 per pupil, to cover printing and postage, with a minimum order number of 10 certificates.





Engage Teacher Network

Evaluation and feedback

Help us to improve the kit boxes for future educators and children!



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How can you share your feedback?

- We will be in touch with a link to an online teacher survey.
- There is also a short, simple pupil survey that can be completed online, or alternatively your children can fill in a printed paper version which can then be returned to us at a freepost address.
- Evaluation responses will be collated during the summer term.
- You can also get in touch directly with any feedback or queries about your kit box at our usual email address:

crest@britishscienceassociation.org





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Any questions?

<https://www.crestawards.org/kit-box/superstar>

crest@britishscienceassociation.org





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Thank you for joining us!



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