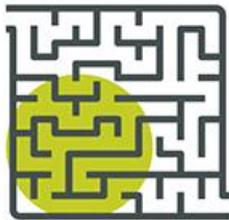




BRONZE AWARD



TEACHER GUIDE



Introduction to CREST Bronze Award

CREST Bronze Awards engage and inspire a wide range of students, and introduce them to the language and methods of project work. The flexible framework can be adapted for students of different ages and abilities.

Bronze projects:

- Involve a minimum of 10 hours of work on one project area
- Use scientific and/or technical knowledge appropriate to students aged 11 to 14
- Students share their project outcomes with their peers (e.g. display, assembly, poster)
- Have active support from an educator: guiding students but allowing them to make decisions for themselves, reviewing progress regularly and supporting planning to maintain the pace of progress

Look on the CREST Awards website for further information about project ideas, CREST accredited schemes and how to support your students.

www.crestawards.org

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How to run a Bronze project

CREST Bronze Awards are very flexible, and can be delivered in a number of ways:

- You or your students can come up with your own ideas for a project to investigate. This could link to other activities in your school.
- You could use the ready-made plans and resources available on our website to run a Bronze project: www.crestawards.org
- You could arrange for an external education provider run a Bronze project with your students. This could be at your school, or at another location such as a museum. You can find information about a range of CREST accredited schemes at www.crestawards.org

Recording student projects

You should make decisions at an early stage about the way that your students record their work. They can either:

Use a CREST Bronze workbook	Complete a CREST Bronze student profile and their own project report	Record the work in an accessible way
<p>Workbooks are a structured way to record students' projects and guide the students through the project process. They include the information asked for in the student profile and relate directly to the CREST criteria. Using these, students should gather enough evidence of their project and thought processes in order to submit for a CREST Bronze Award.</p> <p>Students working on team projects should each fill in a CREST Bronze Award student workbook.</p>	<p>Some students may want to write up their own project report, or present their project through video or blogs.</p> <p>You may need to give additional support to students. If you feel that significant support is necessary to help the student through the project, it may be better to consider using a workbook.</p> <p>Whilst working on their project, students need to complete a Bronze student profile to go with their project report which will indicate how they meet all the CREST criteria.</p> <p>Students working on team projects should produce a joint team report and attach individual Bronze Award student profiles for each team member.</p>	<p>You can use discretion over how students work is recorded and presented.</p> <p>For example, it may be more appropriate to:</p> <ul style="list-style-type: none"> • record the student working, and have a supporting adult complete the student profile on their behalf • provide a scribe for the student to fill out the workbook • use in person interviews



Guide for assessors

A teacher or technician in school/college or a home educator can assess CREST Bronze Awards. Ideally, the assessor shouldn't be the same person who has been facilitating the CREST projects. To complete the assessment, they will need:

- The project work
 - the Bronze workbook or
 - project report and student profile
- The assessment criteria
- Student details (age, disability, special circumstances etc.)

The aim of assessment at Bronze level is:

- To confirm that all students contributed at least 10 hours work
- To confirm that the subject knowledge/skill level is appropriate for the age or ability of the student
- To confirm that the student(s) did the work themselves
- To assess the project against the CREST criteria

How to assess

1. Start by reviewing the materials produced by the students. Assess the students' work against each criterion in the assessment grid. At all stages of assessment, take age and special circumstances into account.

2. Discuss the project with the student, focusing on areas where you would need more evidence for the CREST criteria. During the discussion, confirm the level and length of the work and that the project was completed by the student(s).

Possible actions are:

Achievement level	Action
11+ out of 15 criteria met	Award Bronze
5/6 weak areas	Request further information or work from the student
6+ weak areas	Consider not awarding
Many criteria met at an advanced level of scientific knowledge, and student spent 30+ hours on the project	Consider submitting for Silver Award

3. The results of the assessment should then be added to the project on your CREST account.

Student name(s):

Project title:

To achieve a CREST Award, students must meet a minimum of 11 out of the 15 criteria.

CREST Bronze Award checklist	Has this been demonstrated?
1 – Planning the project	
The students set a clear aim for the project and broke it down into smaller objectives	
The students explained a wider purpose for the project	
The students identified a range of approaches to completing the project	
The students described their plan for how to complete the project and why they chose that approach	
The students planned and organised their time well	
2 – Throughout the project	
The students made good use of the materials and people available	
The students researched the background to the project and referenced their sources appropriately	
3 – Finalising the project	
The students made logical conclusions and explained the implications for the wider world	
The students explained how what they did affected the outcome of the project	
The students explained what they have learned and reflected on what they could improve	
4 – Project-wide criteria	
The students showed understanding of the science behind their project, appropriate to their level	
The students made decisions to direct the project, taking account of ethical and safety issues	
The students showed creative thinking in carrying out the project	
The students identified and overcame problems successfully	
The students explained their project clearly, in both writing and conversation	

After CREST Bronze Awards

After completing CREST Bronze Awards, your students can:

- Go on to work towards their CREST Silver Award
- Join the CREST Alumni Network to find out about great opportunities for young people through the British Science Association: www.crestawards.org/alumni