



## Natural Science and Social Science 2<sup>nd</sup> Edition at a glance

Student-centred learning ensures a lively classroom experience and allows children to work alone or collaboratively on projects, investigations and experiments. An enquiry-based approach supports the understanding of new concepts and the development of thinking skills.

- ightarrow **NEW!** content matched to the new curriculum and Science Competencies.
- → **NEW!** Review sections offer additional practice and consolidate knowledge.
- Ompetency-based projects / Learning situations with posters engage students and facilitate assessment.
- → Digital resources and Practice Extra in Cambridge One enrich pupils' learning experiences.
- → Child-friendly digital classroom presentation features games, catchy songs and vibrant photos and illustrations.



Developed especially for Spain, it covers the new Science curricula, with complete coverage of the specific Science competencies.

#### Changes to Key Competencies

## We cover them all

The previous Key Competencies have been rearranged and amplified – this applies to all subjects and school levels. Cambridge Science amply covers these new competencies:



















#### The Science Competencies

Cambridge Science Second Edition also follows the new Science curricula with complete coverage of the Science competencies.

**Cambridge Science Second Edition** has been developed around the key Science competencies stipulated in the new curriculum. For every lesson you teach, the competencies covered by the content are listed on the corresponding Teacher's Book pages. In addition, the projects are supported by competency-based assessments.



#### Sci C1

Digital competency

Use digital devices and resources in a safe, responsible and efficient way.



#### Sci C4

Competency in self-awareness and empathy

Develop awareness of one's own and other's physical, emotional and social well-being.



#### Sci C7

Competency in historical awareness

Understand continuity and change in society and culture.



#### Sci C2

Scientific thinking competency

Use different techniques, instruments and modes of scientific thought to interpret and explain facts and phenomena ocurring in their own natural, social and cultural environment.



#### Sci C5

Competency in preservation of natural and cultural heritage

Identify and understand relationships between systems in the natural, social and cultural environment to appreciate the value of cultural and natural heritage and preserve it.



#### Sci C8

Competency in cultural and social awareness and empathy

Value plurality and respect other cultures to build a more harmonious society that integrates EU values.



#### Sci C3

Problem-solving competency

Use design projects and computational thinking to cooperatively solve problems in interdisciplinary projects.



#### Sci C6

Competency in environmental sustainability

Develop awareness of human impact on the environment, including sustainable practices.



#### Sci C9

Citizenship competency

Recognise democratic values, human and child rights, and the principles of the Spanish Constitution and the EU.

## Digital Competence

The new Digital Competence contents of the curriculum are included in all levels in specific lessons, units and Projects:



#### Levels 1 & 2

- → Internet safety
- $\rightarrow$  Parts of a computer
- → Programming

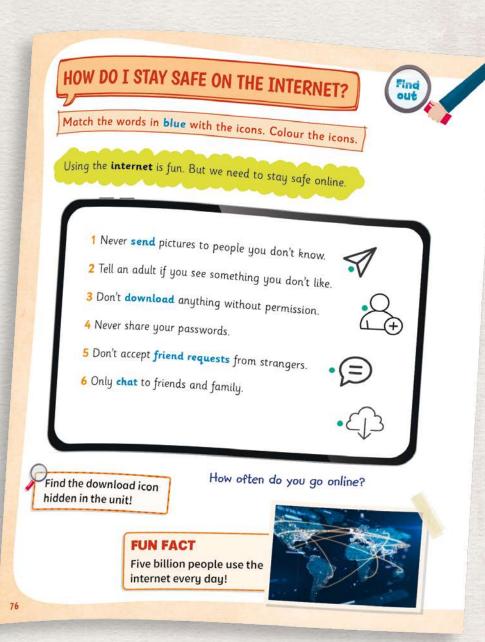
#### Levels 3 & 4

- → Internet research
- → Binary code
- → Robotics
- → Online safety
- → Internet manners

#### Levels 5 & 6

- → Cybernetics and robotics
- → Digital etiquette
- → Digital health
- ightarrow Computer science

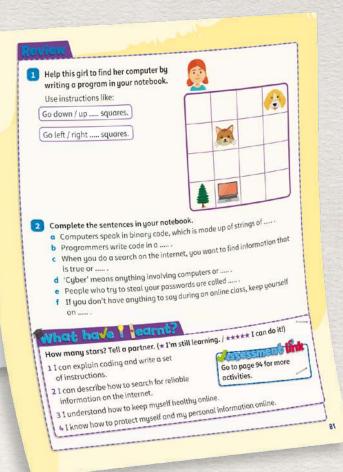
→ Internet safety







that students have enough practice with new concepts to effectively consolidate their knowledge.



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## Competence in Environmental Sustainability

These competencies are well-covered in all levels. Our relation to the environment, how human actions affect it, and how we can improve it are included in specific lessons and projects or Learning Situations.



Projects or Learning situations are included to give the children an opportunity to take part in protecting the environment. Children are encouraged to work collaboratively and take an active role in achieving sustainability.





#### Make a reusable bag.

#### Step 1: Plan

- 1 Look at Poster 2. What are the people doing?
- 2 Work in groups. Find examples of the six Rs on
- 3 Use Worksheet 2 to plan your reusable bag. Make designs and write messages.
- 4 Choose the best idea for your bag.



Remember to participate in your group!



#### Step 2: Prepare

- 1 Bring a white reusable bag to class.
- 2 Decorate your bag.

#### Step 3: Present

- 1 Show your bag to the class.
- 2 Vote for your favourite bag!

Use your bag to go shopping with your family!



Sci C6

Competency in environmental sustainability

## Competence in cultural and social awareness: Equality and diversity



#### Interviewing our women

#### Step 1: Plan

- 1 Individually, read the interview in Worksheet 3.
- 2 Look at Poster 3 and add a question to the interview in relation to Women's Day.
- 3 Add questions to your interview.
- 4 Decide in your group:
- Who will you interview? Will they be someone from your family?
- What questions will you ask?
- What materials will you need for the interview?



#### Step 2: Prepare

- 1 Interview your chosen person.
- 2 Write the answers from the interview. You can record them using an audio device or include them on a poster.
- 3 Did everyone in your group cooperate?







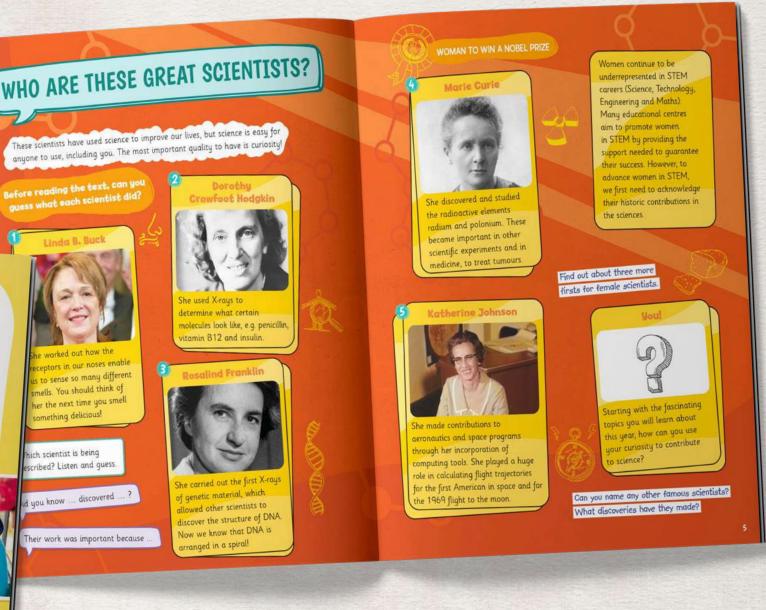
Ask your classmates questions about the women they present!

#### Step 3: Present

- 1 Read or play the interviews you conducted.
- 2 Explain why you chose those women.

Careful attention is paid to this competence, with lessons on diversity in society, the role of women in science and in the world.

Equality, both gender and racial are treated in an age appropriate way and developed over the six years of Primary.



Sci C8

Competency in cultural and social awareness and empathy

The role of women in STEM is also examined. It highlights the importance of their presence in Science, Technology, Engineering and Maths and highlights historical contributions made in the sciences by women.

## Projects/Learning Situations and evaluation of competencies

Three competency-based projects in every level encourage pupils to deepen their exploration of new concepts while strengthening their collaboration and presentation skills.



#### Working for the future

#### Step 1: Plan

- 1 Individually, look at Poster 1 and analyse the human impact on nature.
- 2 In groups, do research on how to protect the environment. Look for important activists. Who inspires you?
- 3 Choose a profession and complete Worksheet 1.
- 4 Decide in your group:
- What actions will you take? How will you help the Earth?
- What content will you share?

#### Step 2: Prepare

- 1 Write an outline for a presentation with the main information about your profession.
- 2 Did everyone in your group cooperate?









#### Step 3: Present

- 1 Distribute the information you will talk about.
- 2 Prepare the presentation within your group.
- 3 Explain your profession to your classmates.

Share your opinion about different

professions with other groups.

There are three competency-based projects per level: each **Our Project** includes an accompanying **Project Poster**, **Project Worksheet** and **Project Assessment Grid**.

Our Project 1:
Protecting Spain's natural treasures pp 30-31

Our Project 2:

Moving around the city
pp 56–57

Our Project 3: Differences bring us together pp 82–83



### Exams preparation



Exam vocabulary and practice for Cambridge English Qualifications for young learners are featured in every level.

- Topic areas of the exams are included in the Science curriculum and mapped in the Teacher's Resources.
- The Review sections in the Pupil's Book and the Activity Book contain exam style activities.
- Exam-type tasks in the unit tests.
  - Exam vocabulary and practice for Cambridge English Qualifications for young learners are featured in every level.

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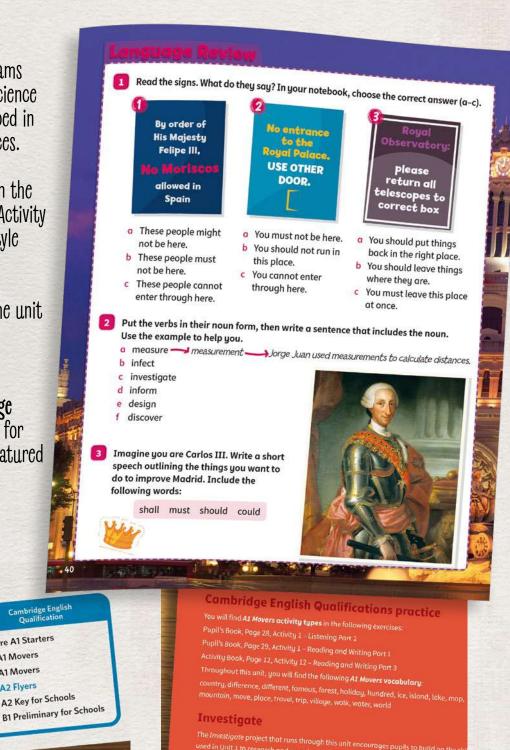
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4

Pre A1 Starters A1 Movers

A1 Movers

A2 Flyers



make their own passports and 'travel the world' by adding information to their po



## Digital resources for learners

#### NEW! Pupil's eBook:

**Pupil's eBook** integrates the content of the print Pupil's Book together with all the class audio and video for easy access on smartphones, tablets and laptops.

Pupils can find their eBook access code on the inside front cover of their Pupil's Book.



#### NEW! Digital Pack:

Pupils can find the access code on the inside front cover of the Activity Book.

- → **Practice Extra** digital consolidation activities based on the contents of the course such as songs, documentaries, revision activities and games. These will motivate your learners with a learning path, bite-sized practice, games and achievement badges. Parents will also be able to view in-depth information on their children's progress.
- → **Learner resources** all the videos, songs and audios from the course available for download.







## Digital resources for teachers

#### Teacher's Digital Pack:

Teachers can access digital content using a unique code found on the inside front cover of the Teacher's Book.

- → Presentation Plus: Digital front-ofclass presentation, with:
  - → interactive versions of the Pupil's Book and Activity Book, with embedded audio, video and activities
  - → PDF version of the Teacher's Book for easy access
  - → documentary videos for every Pupil's Book unit
  - → NEW! animations to support the meaning of core concepts
  - → **NEW! digital flashcards** available for all levels



- → **Test Generator:** Features downloadable ready-made mixedability tests and allows teachers to build their own exams.
- NEW! **Teacher's Resources:** include photocopiable revision worksheets, project and curriculum evaluation grids, concept maps and downloadable audio and video.
- → **Practice Extra:** Teachers can set homework and track each pupil's progress. Provides grammar, vocabulary and skills practice a way that rewards and motivates young learners.
- → **NEW! Kahoots!** (Levels 5 and 6 only): Online quizzes to liven up classes through fun competition.

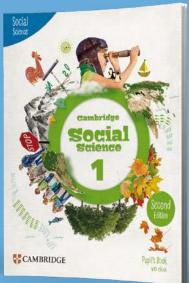
The digital components for Cambridge Natural and Social Science Second Edition are now available on Cambridge One.

## Pupil's components

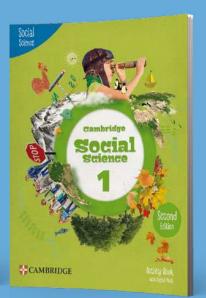
#### → Pupil's Book with eBook

Each unit includes handson experiments and manual activities and mixed-ability assessment





# Cambridge Natural Science Scie



#### → Activity Book with Digital Pack

Each unit features activities that consolidate the concepts introduced in the Pupil's Book Self- or peer-assessments are included on the Activity Book project pages.

#### Digital Pupil's Book and Activity Book

If you want to experience a fully digital class with complete tracking, Natural Science and Social Science Second edition also offer the possibility to use Digital Books. These books can be used online and offline and are both multiplatform and multi-device.

## Teacher's components



#### ightarrow Teacher's Book with **Digital Pack**

Teaching ideas are offered at each stage of the lesson and competencies are flagged. Teachers can access digital content using a unique code found on the inside front cover of the Teacher's Book.



#### $\rightarrow$ Flashcards

Full-colour printed flashcards (Levels 1-4) bring Science topics to life. Digital flashcards are available for all levels.



#### ightarrow Posters

3 poster packs, one for every two levels, for content review, classroom management and project work.

#### Digital components on Cambridge One

