Computing Ambassadors
supporting teaching in primary computing

STEM Ambassadors can support schools by bringing relevant expertise, experience and context to the curriculum. From animation and audio production to web development; programming to desktop publishing and graphics, photo editing and 3D design, we've made it easy to engage with teachers.

Many schools in England adopt the Teach Computing Curriculum, an NCCE resource that supports teaching from Year 1 through to Year 11.

By offering help using the template text below, you can make teachers aware of the valuable ways you can help them to achieve our shared goal of *a world-leading computing education for every child*, *in every school, in England.*

Simply copy the text, amend it as appropriate, and provide it as an offer through the STEM Ambassador platform at stem.org.uk/dashboard.

Stop–frame animation

I am a *profession* located in *geographical area* working for *company*. I am available to provide context and support to the Year 3 Computing curriculum on **stop-frame animation**.

I can talk to pupils about how I use stop-frame animation in my career and give pupils some tips to support their own animations. I can provide *in-person/virtual support* for the unit and *delete any of the following as appropriate*

- join the planning stage and provide pupils with tips and guidance around storyboarding their ideas
- join the creation stage and support taking photographs and give tips for creating animations
- join the evaluation stage and support pupils on adding media to make their animations giving feedback for improvement
- offer insight into how animation is used in my role and in real life applications

I would be available to join lessons *face to face within xx miles or remotely* and can volunteer *availability* amount of time with your pupils.

Desktop publishing

I am a *profession* located in *geographical area* working for *company*. I am available to provide context and support to the Year 3 Computing curriculum on **desktop publishing**.

I can talk to pupils about how I use desktop publishing in my career and give pupils some tips to support their own magazine creations. I can provide *in-person/virtual support* for the unit and *delete any of the following as appropriate*

- join the planning stage and provide pupils with tips and guidance around how to layout their magazine cover
- join the creation stage and support pupils with adding text and pictures to their template
- join the evaluation stage and support pupils on why we use desktop publishing and its benefits in the real world

I would be available to join lessons *face to face within xx miles or remotely* and can volunteer *availability* amount of time with your pupils.

Audio production

I am a *profession* located in *geographical area* working for *company*. I am available to provide context and support to the Year 4 Computing curriculum on **audio production**.

I can talk to pupils about how I use audio production in my career and give pupils some tips to support their own podcast creations. I can provide *in-person/virtual support* for the unit and *delete any of the following as appropriate*

- join the planning stage and provide pupils with tips and guidance around how to structure their podcast recordings
- join the creation stage and support pupils with recording audio for their podcast
- join the creation stage and support pupils with editing audio for their podcast
- join the evaluation stage and support pupils on how to improve their podcasts and how audio recording is used in the real world

I would be available to join lessons *face to face within xx miles or remotely* and can volunteer *availability* amount of time with your pupils.

Photo editing

I am a *profession* located in *geographical area* working for *company*. I am available to provide context and support to the Year 4 Computing curriculum on **photo editing**.

I can talk to pupils about how I use photo editing in my career and give pupils some tips to support their own creations. I can provide *in-person/virtual support* for the unit and *delete any of the following as appropriate*

- support with basic photo editing skills such as rotation or cropping
- support with changing the composition of images such as exploring colour or using the clone stamp
- support with copy and paste tools to combine images
- join the creation stage and support pupils with editing images to create their own designs
- join the evaluation stage and support pupils on how to improve their images
- discuss how images are edited within my profession, and how to spot fake images in the real

world

I would be available to join lessons *face to face within xx miles or remotely* and can volunteer *availability* amount of time with your pupils.

Using repetition to program a game

I am a *profession* located in *geographical area* working for *company*. I am available to provide context and support to the Year 4 Computing curriculum on **using repetition to program a game**.

I can talk to pupils about how I have used block-based programming and give pupils some tips to support their own game creations. I can provide *in-person/virtual support* for the unit and *delete any of the following as appropriate*

- support pupils with understanding block-based coding and the Scratch platform
- join the planning stage and provide pupils with tips and guidance on creating the best algorithms for their game
- join the creation stage and support pupils with developing their game on Scratch
- join the evaluation stage and support pupils on how to improve their games
- discuss how programmers create animations and games in the real world

I would be available to join lessons *face to face within xx miles or remotely* and can volunteer *availability* amount of time with your pupils.

Video production

I am a *profession* located in *geographical area* working for *company*. I am available to provide context and support to the Year 5 Computing curriculum on **video production**.

I can talk to pupils about how I use video creation/video editing in my career and give pupils some tips to support their own recordings. I can provide *in-person/virtual support* for the unit and *delete any of the following as appropriate*

- support with different recording skills, such as camera angles and techniques
- join the planning stage and provide pupils with tips and guidance around how to use storyboards to develop their video ideas
- join the creation stage and support pupils with recording videos
- join the editing stage and support pupils in re-recording or editing their videos using software
- join the evaluation stage and support pupils on how to improve their videos and how video production is used in the real world

I would be available to join lessons *face to face within xx miles or remotely* and can volunteer *availability* amount of time with your pupils.

Vector graphics

I am a *profession* located in *geographical area* working for *company*. I am available to provide context and support to the Year 5 Computing curriculum on **vector graphics**.

I can talk to pupils about how I use vector design and drawing in my career and give pupils some tips to support their own image creation. I can provide *in-person/virtual support* for the unit and *delete any of the following as appropriate*

- support with different drawing skills, such as moving, resizing, layering, grouping
- join the creation stage and support pupils in designing and making their own vector graphics
- join the evaluation stage and support pupils on how to improve their drawings and how vector graphic design is used in the real world

I would be available to join lessons *face to face within xx miles or remotely* and can volunteer *availability* amount of time with your pupils.

Web page creation

I am a *profession* located in *geographical area* working for *company*. I am available to provide context and support to the Year 6 Computing curriculum on **web page creation**.

I can talk to pupils about how I use website design and creation in my career and give pupils some tips to support their own website creation. I can provide *in-person/virtual support* for the unit and *delete any of the following as appropriate*

- join the creation stage and support pupils in designing and making their own web pages
- join the evaluation stage and support pupils on how to improve their websites
- discuss how website design is used in the real world

I would be available to join lessons *face to face within xx miles or remotely* and can volunteer *availability* amount of time with your pupils.

Using variables in game design

I am a *profession* located in *geographical area* working for *company*. I am available to provide context and support to the Year 6 Computing curriculum on **using variables in game design**.

I can talk to pupils about how I have used block-based programming and give pupils some tips to support their own game creations. I can provide *in-person/virtual support* for the unit and *delete any of the following as appropriate*

- support pupils with understanding block-based coding and the Scratch platform
- join the planning stage and provide pupils with tips and guidance on creating the best algorithms for their game
- join the creation stage and support pupils with developing their game on Scratch
- join the evaluation stage and support pupils on how to improve their games
- discuss how programmers create animations and games in the real world

I would be available to join lessons *face to face within xx miles or remotely* and can volunteer *availability* amount of time with your pupils.

3D design

I am a *profession* located in *geographical area* working for *company*. I am available to provide context and support to the Year 6 Computing curriculum on **3D design**.

I can talk to pupils about how I use 3D design and creation in my career and give pupils some tips to support their own 3D models. I can provide *in-person/virtual support* for the unit and *delete any of the following as appropriate*

- support with the lessons where pupils are developing the different 3D skills required for the unit
- join the creation stage and support pupils in designing and making their own 3D models
- join the evaluation stage and support pupils on how to improve their designs
- discuss how 3D design is used in the real world

I would be available to join lessons *face to face within xx miles or remotely* and can volunteer *availability* amount of time with your pupils.