



# STEM By Nature: Local Learning Tasks

## Local Learning Task: An Introduction

We are asking you to spend a total of 1hr of time between now and our next session implementing and/or reflecting on the content of today's session. This hour can consist of one or more of the following – it's up to you to choose what is most relevant to your setting.

- Get outside and try some Nature Connections activities
- Reflect on gender stereotypes in relevant indoor and outdoor settings.
- Find an opportunity to share your learning with colleagues.

Share a photo/ quote/ Tweet. You can either email [rebecca@johnmuiraward.org](mailto:rebecca@johnmuiraward.org) or upload comments, quotes, photos, videos etc and tag on social media: @FSC\_Scotland @JohnMuirTrust #STEMbyNature

## Local Learning Task: Citizen Science

We are asking you to spend a total of 1hr of time between now and our next session implementing and/or reflecting on the content of today's session. This hour can consist of one or more of the following – it's up to you to choose what is most relevant to your setting.

- Get outside and try some Citizen Science –take learners outdoors and trial a survey or technique you've seen today.
- Try out one of the identification apps
- Carry out your own survey and upload data as casual recording
- Carry out a national online survey and upload your data
- Find an opportunity to share your learning with colleagues.
- Have a conversation about the STEM Self-evaluation and improvement framework. This can be with a colleague, potential or existing STEM partnerships, learners themselves or the community. Choose one or more sections to tackle using the challenge questions overleaf.

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## Local Learning Task: UN Sustainable Development Global Goals

We are asking you to spend a total of 1hr of time between now and our next session implementing and/or reflecting on the content of today's session. This hour can consist of one or more of the following – it's up to you to choose what is most relevant to your setting.

- Go outdoors and explore the Sustainable Development Goals with your class/group, and how they link to STEM, nature and outdoor contexts.
- Create a STEM By Nature Challenge – using your existing planning tools or see [5-minute lesson plan](#)
- Make a pledge: [#iWill4Nature](#).
- Find an opportunity to share your learning with colleagues.
- Take a look at the [Learning for Sustainability Self-Evaluation and Improvement Framework](#). Have a conversation with a colleague, potential or existing STEM partnerships, learners themselves or the community. Choose one or more sections to tackle using the challenge questions overleaf.

Share a photo/ quote/ Tweet. You can either email [rebecca@johnmuiraward.org](mailto:rebecca@johnmuiraward.org) or upload comments, quotes, photos, videos etc and tag on social media: @FSC\_Scotland @JohnMuirTrust #STEMbyNature

## Local Learning Task: Climate Action

We are asking you to spend a total of 1hr of time between now and our next session implementing and/or reflecting on the content of today's session. This hour can consist of one or more of the following – it's up to you to choose what is most relevant to your setting.

- Try Nature's Calendar survey- looking for signs of the seasons
- Map how your areas greenspaces have changed
- Explore issues around climate change with your group (e.g. outdoor issues tree) and how they link to STEM, nature and outdoor contexts.
- Make a pledge through [#iwill4Nature](#)
- Make a climate change film with your group
- Discuss ways to make use of the STEM Self-evaluation and Improvement Framework with colleagues.

Share a photo/ quote/ Tweet. You can either email [rebecca@johnmuiraward.org](mailto:rebecca@johnmuiraward.org) or upload comments, quotes, photos, videos etc and tag on social media: @FSC\_Scotland @JohnMuirTrust #STEMbyNature

## STEM Self-evaluation and Improvement Framework: Challenge Questions

1.2 Leadership of Learning – How can my learning about STEM by Nature be shared with colleagues/inform action/planning?

1.3 Leadership of Change – Can I use STEM by Nature to link STEM activities with other priorities (LFS, DYW, etc.)?

1.5 Management of Resources to Promote Equity – What resources do we have available at our setting/what do we have scope to develop (outdoor/indoor/community)

2.2 Curriculum – Based on STEM by Nature activities, how can I link STEM skills to other curriculum areas?

2.3 Learning, teaching Assessment – What STEM by Nature topics would I like to research/explore further?

2.5 – 2.7 Family learning, Transitions and Partnerships – Can I use STEM by Nature to inform action in these areas/with these groups and partners?

3.1 – Ensuring wellbeing, equality, inclusion – How can STEM by Nature help me address these areas and provide more diverse/inclusive STEM learning?

3.3 – Creativity and Employability - How can STEM by Nature foster creativity and how does it link to future careers?