

Guide Planner

Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Task 1: What is the problem?					
Discover	Explore the concept of how you meet your needs using your class as an example.	<ul style="list-style-type: none"> Paper Pens or pencils 		10 minutes	7
Understand	Explore the living things in your community.	<ul style="list-style-type: none"> Paper Pens or pencils Class board or poster paper 		45 minutes + investigation time	8
Act	Imagine a perfect community.	<ul style="list-style-type: none"> Paper Pens or pencils 		10 minutes	11
Task 2: How is the problem of balanced communities related to me?					
Discover	Develop a personal identity map showing the different parts of who you are. Compare with teammates.	<ul style="list-style-type: none"> Paper Pens or pencils Objects that represent you (optional) 		25 minutes	13
Understand	Create a team identity map.	<ul style="list-style-type: none"> Paper Pens or pencils 		15 minutes	15
Act	Gather your team's knowledge about the living things in your community.	<ul style="list-style-type: none"> Paper Pens or pencils Class board or poster paper 		20 minutes	17
Task 3: What skills do we need to do our research?					
Discover	Interview teammates to find out about their ideas about a perfect community.	<ul style="list-style-type: none"> Pens or pencils Paper (optional) 	<u>My Perfect Community</u> (Task 1) <u>My Identity Map</u> (Task 2)	20 minutes	19
Understand	Explore different perspectives on what makes a perfect community.			25 minutes	21



Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Act	Come to consensus on the most important goals for your local community.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Class board or poster paper 	<u>My Perfect Community</u> (Task 1)	25 minutes	22
Task 4: Where do we notice the problem?					
Discover	Consider connections between problems and knowledge in different places.			20 minutes	26
Understand	Investigate how the UN Sustainable Development Goals connect to the Balanced Community Goals you developed.	<ul style="list-style-type: none"> • Class board or poster paper • Sticky notes (optional) • Bag of small items (Option B: Activity) 	<u>Balanced Community Goals</u> (Task 3) * StoryMap extension available	30 minutes	28
Act	Decide where your research area will be.	<ul style="list-style-type: none"> • Paper • Pencils • Local map (optional) 		20 minutes	33
Task 5: How will we achieve our goals?					
Discover	Consider what you already know about your community and what you need to find out.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Class board or poster paper 	<u>Balanced Community Goals</u> (Task 3)	20 minutes	37
Understand	Decide which Parts of the guide you will use.			20 minutes	38
Act	Reflect on your thoughts and concerns about being an action researcher.	<ul style="list-style-type: none"> • Paper • Pens or pencils 		15 minutes	41

*StoryMap extension found at <https://bit.ly/3zvJ2Qh>



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<u>Activity</u>	<u>Description</u>	<u>Materials and Technology</u>	<u>Additional Materials</u>	<u>Approximate Timing</u>	<u>Page Number</u>
Task 1: Who is in our community?					
Discover	Consider the different identities in your community and why inclusion is important.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>My Identity Map</u> (Part 1, Task 2) <u>Team Identity Map</u> (Part 1, Task 2)	15 minutes	55
Understand	Use a survey or other investigation to find out more about the people in your community.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Computer (optional) 		35 minutes + investigation time	56
Act	Create an identity map of the people in your community.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Community Identity Map</u>	20 minutes	65
Task 2: How has our community changed over time?					
Discover	Read a case study about changes in a community. Then, reflect on and record changes you and your team have noticed in your own community.	<ul style="list-style-type: none"> • Class board or poster paper • Audio or video recording device 		60 minutes	67
Understand	Record oral histories from community members.	<ul style="list-style-type: none"> • Audio or video recording device • Paper and Pen 		25 minutes + investigation time	72
Act	Create a representation of your community's history.	Optional: <ul style="list-style-type: none"> • Computer, paper, pen 		25 minutes	76



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Task 3: Who makes decisions in our community?					
Discover	Explore decision-making in your community. Then, read a case study about decision making in a community.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>My Identity Map</u> (Part 1, Task 2)	30 minutes	79
Understand	Collect information about how decisions are made in your community.			25 minutes + investigation time	83
Act	Record how decisions are made in your community and how that could be more inclusive.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>My Perfect Community</u> (Part 1, Task 1)	20 minutes	84
Task 4: How can including our community help us make better decisions?					
Discover	Read a case study about inclusion and design a shared community space to fill your own needs.	<ul style="list-style-type: none"> • Paper • Colored pencils 	<u>My Identity Map</u> (Part 1, Task 2)	25 minutes	87
Understand	Experiment to find out whether including different people changes decision-making.	<ul style="list-style-type: none"> • Class board or poster paper • Paper • Pens or pencils 		45 minutes	89
Act	Analyze experiment results and decide how you want to make decisions	<ul style="list-style-type: none"> • Paper • Pencils 	<u>Balanced Community Goals</u> (Part 1, Task 3)	20 minutes	92



Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Task 5: How do we include the community in our actions?					
Discover	Consider what you now know, think, and wonder about your local community.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Community Identity Map</u> (Task 1)	10 minutes	94
Understand	Investigate the best way to share information with your community.	<ul style="list-style-type: none"> • Paper • Pens or pencils 		20 minutes + investigation time	95
Act	Share and get feedback on your Balanced Community Goals.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Balanced Community Goals</u> (Part 1, Task 3)	30 minutes	97

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Task 1: What living things are in our research area?					
Discover	Consider the living things in your community and the senses you use to observe them.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Computer (optional) 	<u>Living Things Identity Map</u> (Part 1, Task 2)	20 minutes	112
Understand	Use tools to investigate what living things are in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Computer (optional) 	<u>My Research Area map</u> (Part 1, Task 4) *StoryMap extension available	20 minutes + investigation time	115
Act	Classify living things in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Computer (optional) 	*StoryMap extension available	30 minutes	119
Task 2: What do the living things in our research area need to survive?					
Discover	Discuss with your team what the living things in your research area might need to survive	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 3 Organizer</u> (Part 3, Task 1)	15 minutes	123
Understand	Investigate the different needs of the living things in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils • 3 plants • Soil • 3 plastic cups • Water 	<u>Part 3 Organizer</u> (Part 3, Task 1) <u>Oral History Instructions</u> (Part 2, Task 2), optional	45 minutes	124
Act	Share the different needs of living things in your community and decide how well your community is meeting those needs.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 3 Organizer</u> (Task 1) <u>Part 2 Organizer</u> (Part 2, Task 2) <u>Balanced Community Goals</u> (Part 1, Task 3)	25 minutes	127



Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Task 3: What do the people in our community need to survive?					
Discover	Identify what you need and how you meet those needs.	<ul style="list-style-type: none"> • Paper • Pens or pencils 		20 minutes	129
Understand	Investigate the needs and wants of the people living in your community.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Photos of research area (optional, Investigation D) 	<u>Survey Instructions</u> (Part 2, Task 2), optional <u>My Research Area map</u> (Part 1, Task 4), optional	30 minutes + investigation time	130
Act	Share your communities needs and wants.	<ul style="list-style-type: none"> • Paper • Pencils 	<u>Part 3 Organizer</u> (Task 1) <u>Balanced Community Goals</u> (Part 1, Task 3)	25 minutes	132
Task 4: What are the conflicts between people and other living things in my community?					
Discover	Examine conflicts from various perspectives.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Computer (optional) 		25 minutes	134
Understand	Explore a case study about conflict between people and living things.	<ul style="list-style-type: none"> • Paper • Pens or pencils 		30 minutes	136
Act	Identify some conflicts between people and other living things in your community.	<ul style="list-style-type: none"> • Paper • Pencils 	<u>Part 3 Organizer</u> (Task 1)	30 minutes	140



Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Task 5: How can I take action to balance needs in my community?					
Discover	Consider what you now know, think, and wonder about conflicts in your community.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 3 Organizer</u> (Task 1) <u>Balanced Community Goals</u> (Part 1, Task 3)	15 minutes	143
Understand	Decide on individual actions you will take to help your community.		<u>Part 3 Organizer</u> (Task 1)	15 minutes	144
Act	Put your idea for individual change into action and reflect on it.			10 minutes + action time	146

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Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Task 1: What animals are in our research area?					
Discover	Consider the animals in your community and the senses you use to observe them.		<u>Part 3 Organizer</u> (Part 3, Task 1)	20 minutes	158
Understand	Use tools to investigate what animals are in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Optional observation tools 	<u>My Research Area</u> (Part 1, Task 4, Act) <u>Investigation Tips</u> (Part 3, Task 1) *StoryMap extension available	20 minutes + investigation time	161
Act	Classify the animals in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	*StoryMap extension available	30 minutes	167
Task 2: What do the animals in our research area need to survive?					
Discover	Discuss how you use space to meet your needs.			15 minutes	170
Understand	Investigate the different needs of the animals in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 3 Organizer</u> (Part 3, Task 1) <u>Part 4 Organizer</u> (Part 4, Task 1) <u>Oral History Instructions</u> (Part 2, Task 2, optional)	20 minutes + investigation time	172
Act	Share the different needs of animals in your community and decide how well your community is meeting those needs.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 4 Organizer</u> (Task 1)	25 minutes	174



Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Task 3: What are the conflicts between people and animals in my community?					
Discover	Explore conflicts between people and animals.	<ul style="list-style-type: none"> • Paper • Pens or pencils 		30 minutes	176
Understand	Investigate conflicts between people and animals in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 		15 minutes + investigation time	179
Act	Create a shared list of the conflicts in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 4 Organizer</u> (Task 1)	30 minutes	180
Task 4: What are people already doing to balance the needs of people and animals?					
Discover	Consider different perspectives on conflicts in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 4 Organizer</u> (Task 1)	20 minutes	182
Understand	Investigate one conflict from your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 4 Organizer</u> (Task 1)	25 minutes	184
Act	Begin to consider an action you could take to solve conflict in your community.			15 minutes	185
Task 5: How can I take action to balance needs in my community?					
Discover	Consider what you now know, think, and wonder about conflicts in your community.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 4 Organizer</u> (Task 1) <u>Balanced Community Goals</u> (Part 1, Task 3)	15 minutes	188
Understand	Decide on individual actions you will take to help your community.		<u>Part 4 Organizer</u> (Task 1)	15 minutes	189
Act	Put your idea for individual change into action and reflect on it.			10 minutes + action time	191

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Task 1: What plants are in our research area?					
Discover	Consider the plants in your community and the senses you use to observe them.		<u>Part 3 Organizer</u> (Part 3, Task 1)	20 minutes	206
Understand	Use tools to investigate what plants are in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Optional observation tools 	<u>My Research Area</u> (Part 1, Task 4, Act) <u>Investigation Tips</u> (Part 3, Task 1) *StoryMap extension available	20 minutes + investigation time	210
Act	Classify plants in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	*StoryMap extension available	30 minutes	217
Task 2: What do the plants in our research area need to survive?					
Discover	Reflect on how your identify and experiences relate to plants.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>My Identity Map</u> (Part 1, Task 2)	15 minutes	222
Understand	Investigate the different needs of the plants in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Books (optional) • Computer (optional) 	<u>Part 3 Organizer</u> (Part 3, Task 1) <u>Part 5 Organizer</u> (Task 1)	20 minutes + investigation time	223
Act	Share the different needs of plants in your community and decide how well your community is meeting those needs.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 5 Organizer</u> (Task 1)	20 minutes	226



Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Task 3: What are the conflicts between people and plants in my community?					
Discover	Explore conflicts between people and plants.	<ul style="list-style-type: none"> • Paper • Pens or pencils • 3 Cups or containers of soil (optional) • Vegetable seeds (optional) • Water (optional) • Salt (optional) 		10 minutes + investigation time	228
Understand	Investigate conflicts between people and plants in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 3 Organizer</u> (Part 3, Task 1) <u>Part 5 Organizer</u> (Task 1)	10 minutes + Investigation time	232
Act	Create a shared list of the conflicts in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 5 Organizer</u> (Task 1) <u>Part 3 Organizer</u> (Part 3, Task 1)	20 minutes	235
Task 4: What are people already doing to balance the needs of people and plants?					
Discover	Consider different perspectives on conflicts in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 5 Organizer</u> (Task 1)	20 minutes	236
Understand	Investigate one conflict from your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 5 Organizer</u> (Task 1) <u>Part 3 Organizer</u> (Part 3, Task 1) <u>Part 2 Organizer</u> (Part 2, Task 2)	25 minutes	237
Act	Begin to consider an action you could take to solve conflict in your community.	<ul style="list-style-type: none"> • Paper • Pens or pencils 		20 minutes	239



Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Task 5: How can I take action to balance needs in my community?					
Discover	Consider what you now know, think, and wonder about conflicts in your community.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 5 Organizer</u> (Task 1) <u>Balanced Community Goals</u> (Part 1, Task 3)	15 minutes	241
Understand	Decide on individual actions you will take to help your community.		<u>Part 5 Organizer</u> (Task 1)	15 minutes	242
Act	Put your idea for individual change into action and reflect on it.			10 minutes + action time	244

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<u>Activity</u>	<u>Description</u>	<u>Materials and Technology</u>	<u>Additional Materials</u>	<u>Approximate Timing</u>	<u>Page Number</u>
Task 1: What soil organisms are in our research area?					
Discover	Consider the soil organisms in your community and the senses you use to observe them.		<u>Part 3 Organizer</u> (Part 3, Task 1)	20 minutes	259
Understand	Use tools to investigate what soil organisms are in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Optional observation tools 	<u>My Research Area</u> (Part 1, Task 4, Act) <u>Investigation Tips</u> (Part 3, Task 1) *StoryMap extension available	20 minutes + investigation time	262
Act	Classify the soil organisms in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	*StoryMap extension available	30 minutes	272
Task 2: What do the soil organisms in our research area need to survive?					
Discover	Reflect on your experiences and how they relate to soil organisms.	<ul style="list-style-type: none"> • Paper • Pens or pencils 		10 minutes	276
Understand	Investigate how the soil organisms in your research area meet their needs.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Books (optional) • Computer (optional) 	<u>Part 3 Organizer</u> (Part 3, Task 1) <u>Part 6 Organizer</u> (Task 1)	25 minutes + investigation time	277
Act	Share how soil organisms in your community get what they need to survive and decide how well your community is meeting those needs.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 6 Organizer</u> (Task 1)	20 minutes	281



Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Task 3: What are the conflicts between people and soil organisms in my community?					
Discover	Explore conflicts between people and soil organisms.	<ul style="list-style-type: none"> • Paper • Pens or pencils 		10 minutes	282
Understand	Investigate conflicts between people and soil organisms in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils • Optional observation materials 		20 minutes + investigation time	283
Act	Create a shared list of the conflicts in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 6 Organizer</u> (Task 1)	30 minutes	290
Task 4: What are people already doing to balance the needs of people and soil organisms?					
Discover	Reflect on your thoughts and feelings about conflicts between people and soil organisms in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 6 Organizer</u> (Task 1) <u>My Identity Map</u> (Part 1, Task 2)	10 minutes	292
Understand	Explore what people in your community are doing about one conflict between people and living things in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 5 Organizer</u> (Task 1) <u>Part 3 Organizer</u> (Part 3, Task 1) <u>Part 2 Organizer</u> (Part 2, Task 2)	20 minutes + investigation time	294
Act	Prepare what you need to take action that will solve a conflict between people and plants in your research area.	<ul style="list-style-type: none"> • Paper • Pens or pencils 		20 minutes	295



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Task 5: How can I take action to balance needs in my community?					
Discover	Consider what you now know, think, and wonder about conflicts in your community.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 6 Organizer</u> (Task 1) <u>Balanced Community Goals</u> (Part 1, Task 3)	15 minutes	298
Understand	Decide on individual actions you will take to help your community.		<u>Part 6 Organizer</u> (Task 1)	15 minutes	299
Act	Put your idea for individual change into action and reflect on it.			10 minutes + action time	301

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Activity	Description	Materials and Technology	Additional Materials	Approximate Timing	Page Number
Task 1: What is the problem we want to take action on in our community?					
Discover	Explore ways in which your community is doing well and ways in which it could be doing better.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 2, 3, 4, 5, 6 Organizers</u> (from Task 1 in each Part)	30 minutes	314
Understand	Report on problems in your community and consider the connections between the root causes of these problems.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Connected Problems</u> (Task 1)	25 minutes	316
Act	Come to a team consensus about which community problem you want to take action on.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Balanced Community Goals</u> (Part 1, Task 3) <u>Connected Problems</u> (Task 1)	25 minutes	319
Task 2: How will we try to solve our problem?					
Discover	Imagine different actions you could take to help address your team problem.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Part 2, 3, 4, 5, 6 Organizers</u> (from Task 1 in each Part)	25 minutes	322
Understand	Explore ways your possible actions could be more sustainable.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Team Action Plan</u> (Task 2) <u>Community Identity Map</u> (Part 2, Task 1)	20 minutes + investigation time	324
Act	Come to a team consensus on which action you will take.	<ul style="list-style-type: none"> • Paper • Pens or pencils 	<u>Balanced Community Goals</u> (Part 1, Task 3)	20 minutes	326



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Task 3: How will our team take action in our community?					
Discover	List the steps needed for your action.	<ul style="list-style-type: none"> Paper Pens or pencils 	<u>Community Communication</u> (Part 2, Task 5)	20 minutes	328
Understand	Organize the action steps.	<ul style="list-style-type: none"> Paper Pens or pencils 		20 minutes	329
Act	Create an inclusive team action plan.	<ul style="list-style-type: none"> Paper Pens or pencils 	<u>Team Action Plan</u> (Task 2)	25 minutes	330
Task 4: Putting your plan into action					
Task 4	Put your plan into action!	<ul style="list-style-type: none"> Varies, depends on action plan 		Varies, depends on action plan	332
Task 5: What did I learn?					
Task 5	Reflect on your action and your feelings.	<ul style="list-style-type: none"> Paper Pens or pencils 	<u>My Feelings</u> (Part 1, Task 5) <u>Team Identity Map</u> (Part 1, Task 2)	15 minutes	333

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