6	Systems Mapping: Seeing the Bigger Picture	LO3.1, LO3.4

13.1	Foresight Toolkit 3.0	—

The following is a table containing all foresight tools described in the ASTRAL course with a short explanation and section links.

Foresight Tool	Short Explanation	Where to find
Horizon Scanning (Weak Signals and Wild Cards)	Systematically monitor signals of change across different domains to identify emerging developments.	Module 1 Section 7.2 Module 3 Section 2
Trend Analysis	Identify patterns of change based on trends to create better predictions of the future.	Module 1 Section 7.2
Scenario Thinking	Explore multiple plausible futures and how your company could fair in these.	Module 1 Section 7.2
Backcasting	Work backwards from your vision or scenarios to identify inflexion points and developments which “lead” to your desired future or away from an undesired one.	Module 1 Section 7.2 Module 8 Section 4
Strategic Conversations	Structured reflections within the organisation to stimulate long-term thinking	Module 1 Section 7.2
Identifying and Reading Trends	Learn how to identify and use trends to predict the future and create better scenarios.	Module 1 Section 8
The Strategy Wind Tunnel	Use scenarios to test the "structural integrity" of your strategy.	Module 2 Section 1
Future Triangle	Analyse scenarios/visions of the future based on three factors to create a better understanding of them.	Module 2 Section 2
Flash Fiction Stories	A short writing exercise to create stories of the future, which can be used to explore the far future and create scenarios.	Module 2 Section 3
Improvisational Theater	Explore the future through the use of improvisational theater.	Module 2 Section 3
Weak Signals	Identify weak signals to be the first to gain an indication of where the future is heading.	Module 3 Section 3
Trend-to-Impact Mapping	Understand how trends influence your organization's operations, markets, stakeholders, and long-term strategies.	Module 3 Section 4
Scenario Planning	Explore and analyse several plausible far futures.	Module 3 Section 5.1, 12.1, & 13.3
Mini-Sprints	Rapidly explore future challenges through short and focused collaborative exercises.	Module 3 Section 5.2
Enriching Scenarios with Trend-Impact Data	Enrich your scenarios of the far future with trend-impact data to get more plausible scenarios.	Module 3 Section 5.3 & 12.1
Systems Mapping	Map out the system surrounding your organization and understand the complex, interconnected, and dynamic problems that shape long-term futures.	Module 3 Section 6 & 13.4

AI-Supported Horizon Scanning	Utilise the power of AI to perform horizon scanning to identify signals of change across different domains and emerging developments.	Module 3 Section 7
AI for Weak-Signal Detection & Early Warning	Use AI to aid in the identification of weak-signals and be the first to gain an indication of where the future is heading.	Module 3 Section 8
AI for LTFF	Learn how to use AI to do many different LTFF tasks.	Module 3 Section 9, 10, & 11
Risk–Opportunity Matrix	Identify risks and support decisions when the future is uncertain.	Module 4 Section 4
Decision Trees	A Structured way to support your decisions based on heuristics	Module 4 Section 5
Break-The-Pattern Session	Prepare to be creative by breaking the usual patterns of your organization.	Module 5 Section 4.2
Ideation Techniques	Find several ideation techniques described here to explore the far future from different angles (Lotus Blossom Ideation, Storyboarding, Bodystorming (Role-Play), Reverse Brainstorming, and Reverse Brainstorming)	Module 5 Section 4.3
Future Business Model Studio	Generate a business models for the far future from three perspectives; 1) economic, 2) environmental, and 3) social	Module 5 Section 4.5 & 6.1
Rapid Experimentation	Learn methods for rapidly testing assumption or ideas generated by e.g. the scenarios from other methods	Module 5 Section 4.6
Collaborative Foresight	Do LTFF through collaboration using specific roles	Module 6 Section 4 & 5
Visioning	Build a shared long term vision to guide the future.	Module 6 Section 8 Module 8 Section 3
Ethical Governance and Accountability Checkpoint	Check what potential ethical implications your innovation has.	Module 7 Section 4.1
echnology–Well-being Pathway Map	Understand how a future technology or strategy may affect well-being	Module 7 Section 6.1
Two-Level Action Plan	Turn foresight insights into actions at two levels	Module 7 Section 6.2
Strategic Roadmap	Develop a roadmap to guide you through long-term transformation under conditions of uncertainty	Module 8 Section 2, 6, & 9
Dependency Mapping Method	Visualise and analyse the relationships between strategic actions, capabilities, resources, and transformation processes over time	Module 8 Section 5.2