



**Blue
Sticker**

Phase I Build: Tools Engineer

- Build the lunar rake attachment



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Phase I Build: Mission Specialist - Geologist

- Build the lunar collection cup attachment



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Phase I Build: Human Factors Engineer

- Build the lunar tool handle



**Red
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Phase I Build: Project Manager

- Build the lunar tongs
- Assist team members with tool build responsibilities
- Check and approve team tasks. Apply blue sticker to this sheet as team members complete their tasks.
- Contact Mission Director when each phase component is complete to get red sticker



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Phase II Baseline Test: Tools Engineer

- Complete testing of tool
- Provide tool feedback to team in stand-up presentation
- Complete TFF Side 1
- Complete TFF Side 2 focusing on lunar rake feedback
- Redesign and rebuild tool



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Phase II Baseline Test: Mission Specialist - Geologist

- Complete testing of tool
- Provide tool feedback to team in stand-up presentation
- Complete TFF Side 1
- Complete TFF Side 2 focusing on collection cup feedback
- Redesign and rebuild tool



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Phase II Baseline Test: Human Factors Engineer

- Complete testing of tool
- Provide tool feedback to team in stand-up presentation
- Complete TFF Side 1
- Complete TFF Side 2 focusing on handle feedback
- Redesign and rebuild tool



**Red
Sticker**

Phase II Baseline Test: Project Manager

- Complete testing of tool and provide tool feedback to team in Standup presentation
- Complete TFF Side 1 & Side 2 focusing on lunar tongs feedback
- Check and approve team tasks. Apply blue sticker to this sheet as team members complete their tasks.
- Contact Mission Director when each phase component is complete to get red sticker
- Redesign and rebuild tool



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Phase III Retest: Tools Engineer

- Test your redesigned rake attachment
- Record your data in your Phase III TFF
- Summarize and present your findings to the group



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Phase III Retest: Mission Specialist - Geologist

- Test your redesigned collection cup
- Record your data in your Phase III TFF
- Summarize and present your findings to the group



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Phase III Retest: Human Factors Engineer

- Test your redesigned handle attachment
- Record your data in your Phase III TFF
- Summarize and present your findings to the group



**Red
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Phase III Retest: Project Manager

- Test your redesigned lunar tongs
- Record your data in your Phase III TFF
- Summarize and present your findings to the group. Check and approve team tasks. Apply blue sticker to this sheet as team members complete their tasks.
- Contact a Mission Director when each phase component is complete to get the red sticker