The Robotics Social Club Program

Student Booklet



Teaching social skills and programming using LEGO® robotics

Name: _____



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Welcome to the Robotics Social Club!

Each week at school, you will work on LEGO® robotics challenges in a team, with a focus on getting better at one of five teamwork skills. These are:

Communicate effectively

To be able to use our words and body language to politely listen to others, and explain our ideas to others.

Work collaboratively To be able to work together as a team to achieve a goal.

Make decisions To be able to make decisions as a group, in a way that is fair for all group members.

Negotiate and resolve conflict

To be able to listen, make compromises, and reach a solution when there is a disagreement.

Develop leadership skills

To be able to teach other members of the school community, by planning and carrying out a project.

You will work through three phases of challenges as you develop your robotics and teamwork skills – Beginning, Developing, and Culminating. Information about each robotics challenge can be found in the Student section of the *Robotics Social Club* website.

This booklet contains some tools that will help you to complete the challenges, including Reflection Sheets to help you improve your teamwork skills, and the Robot Design Process to help you improve your robotics skills. Your teacher will tell you which pages of this booklet to complete each session.

Good luck, and have fun!





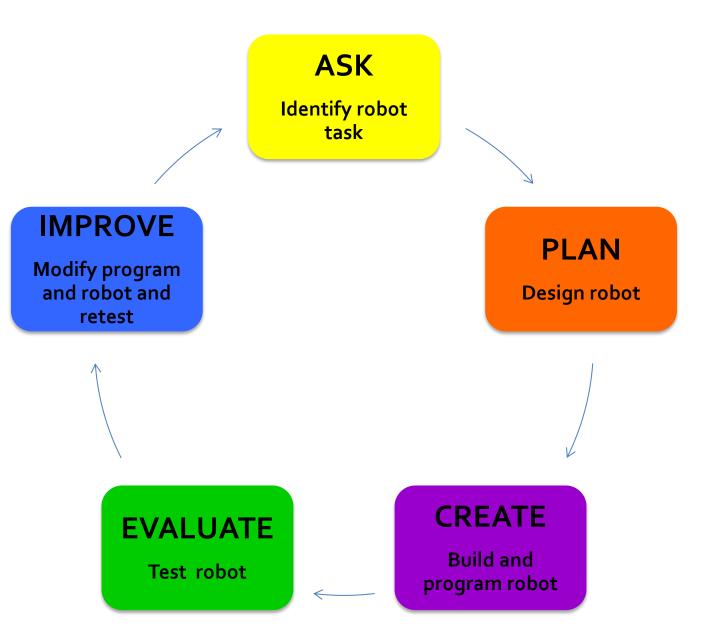




Teamwork skill: Communicate effectively



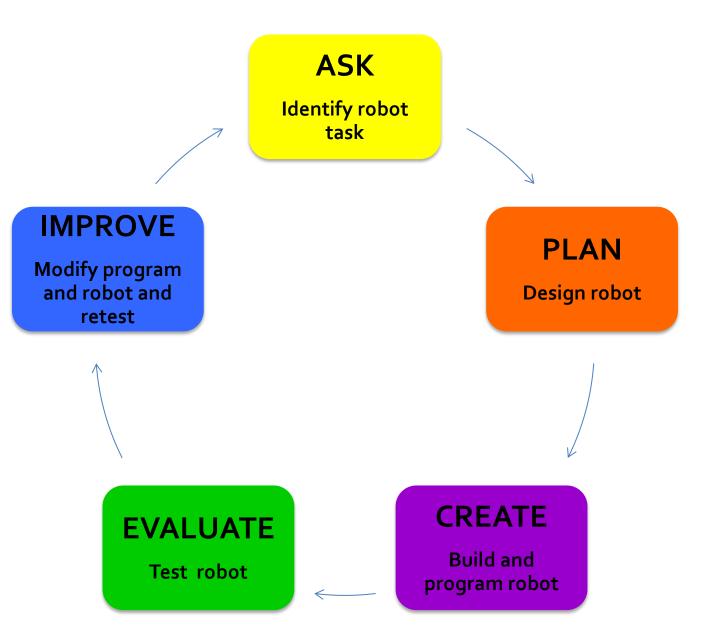
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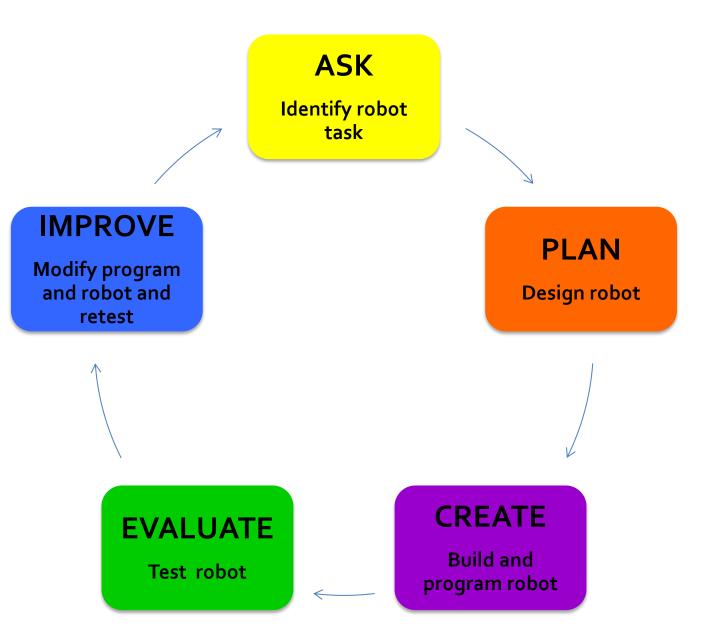
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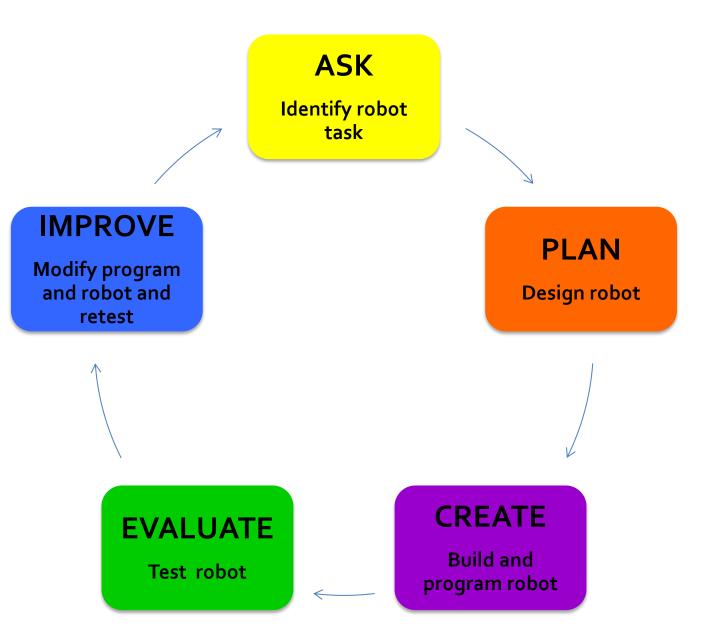
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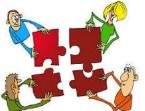
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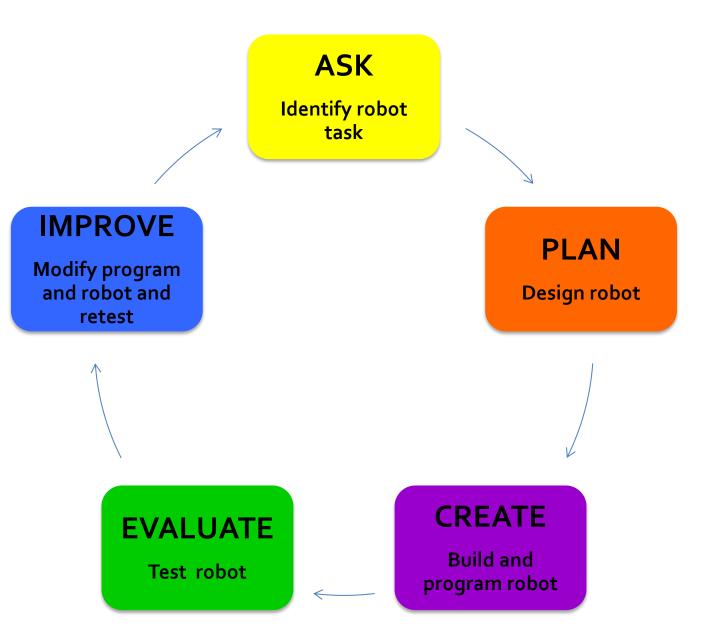
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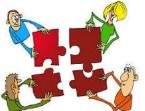
Teamwork skill: Work collaboratively



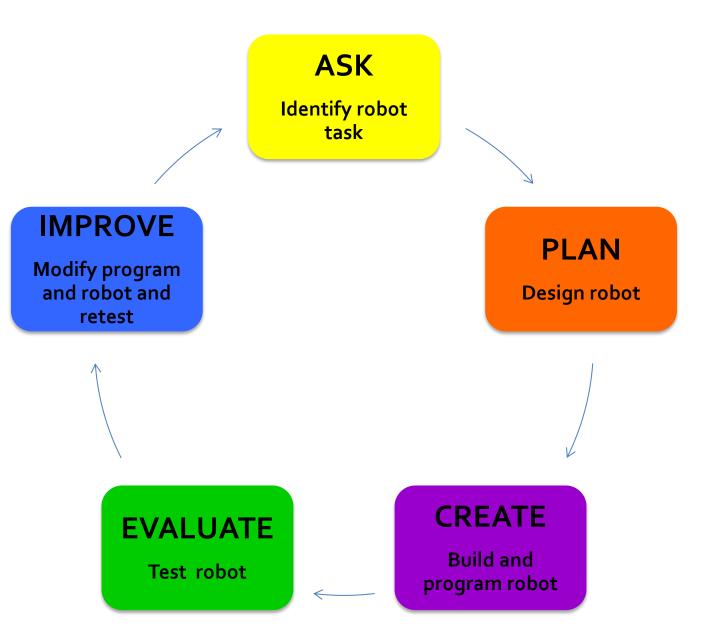
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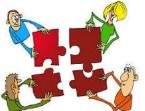
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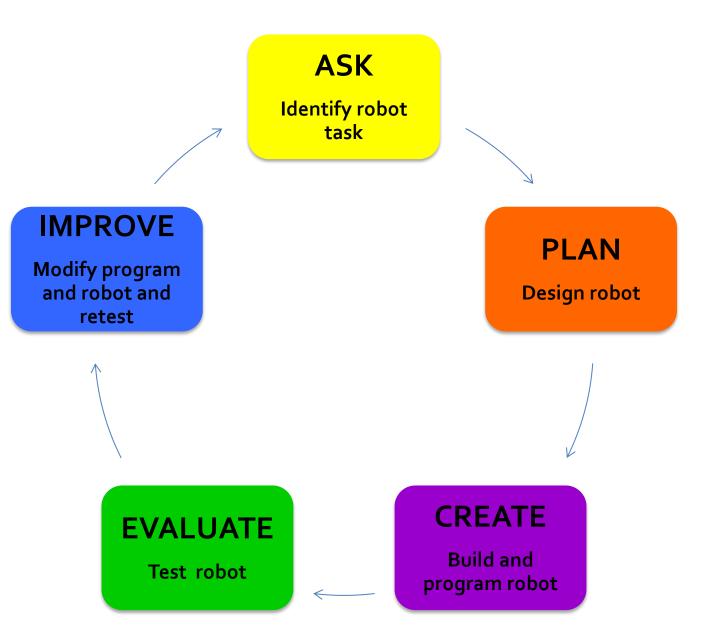
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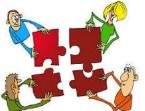
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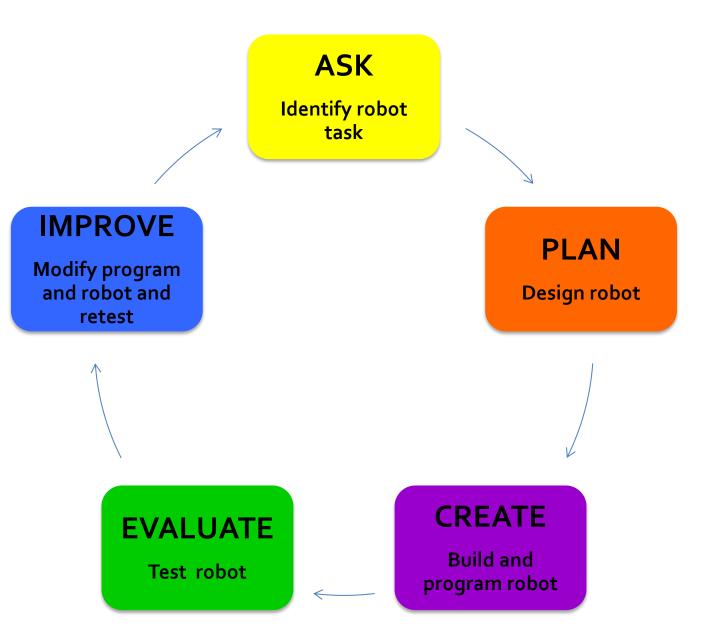
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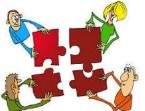
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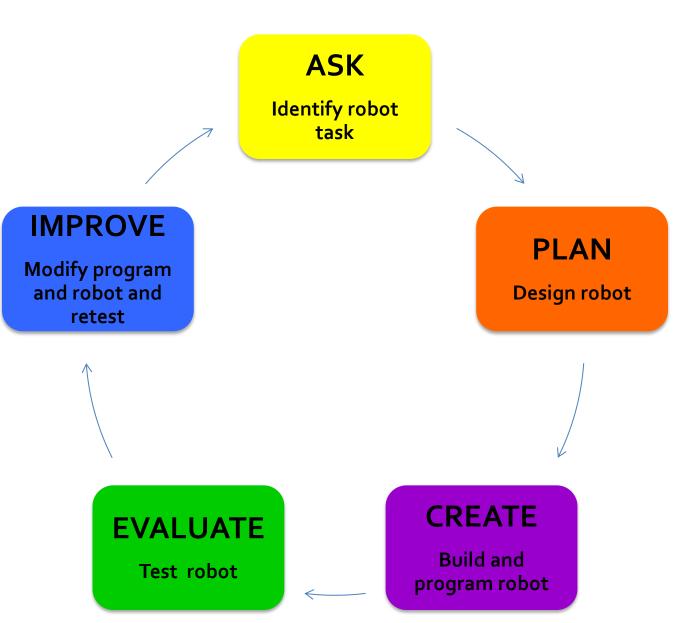
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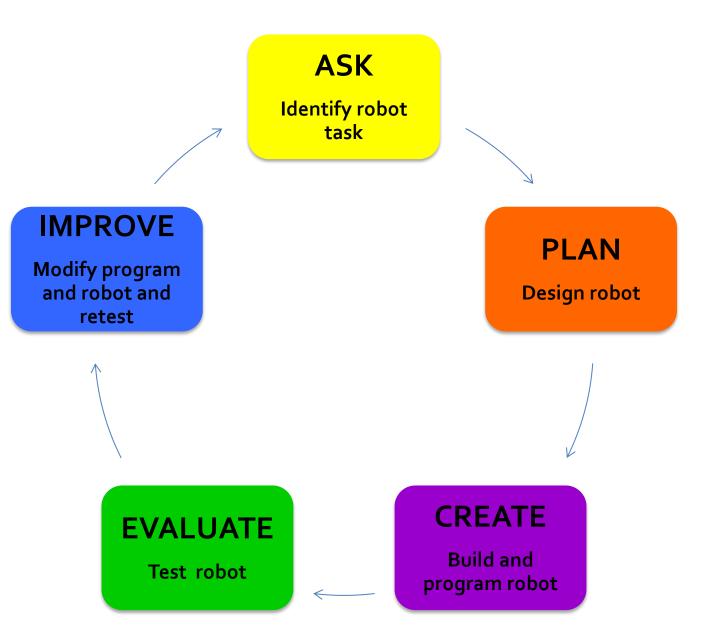
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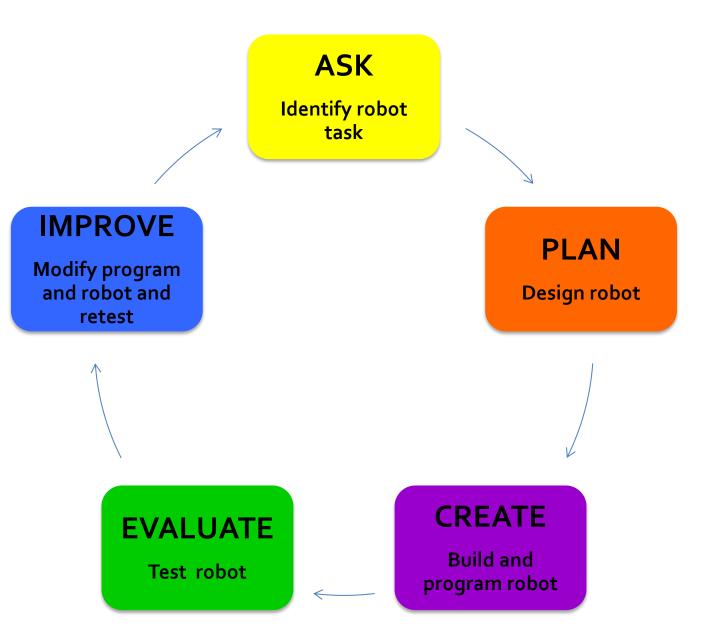
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3	I talk about the strong points and not-so-strong points of different ideas with my team.										
4	I ask my team mates if they agree before making a decision. E.g. "Maybe we could try it this way, what do you think?"										
5	I take turns at making decisions with my team mates.										



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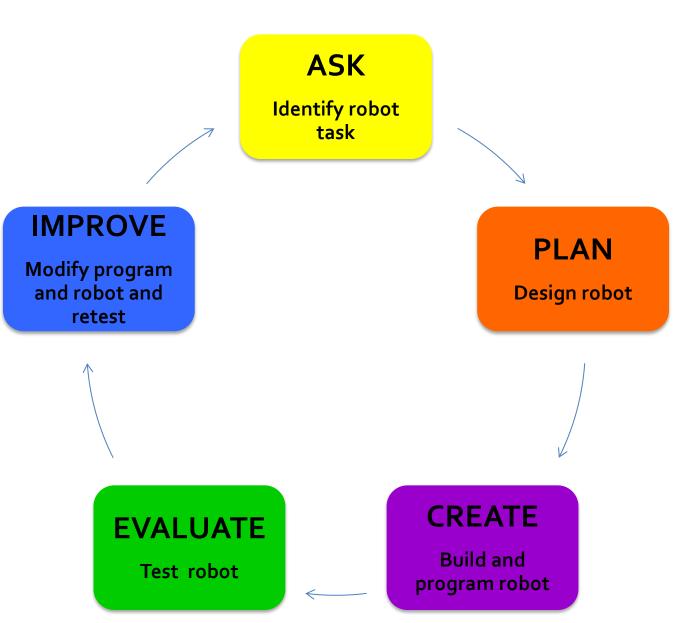
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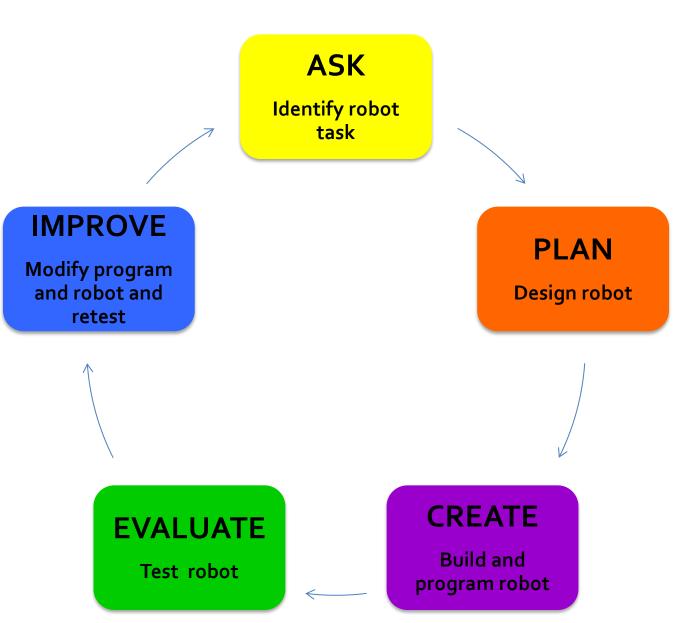
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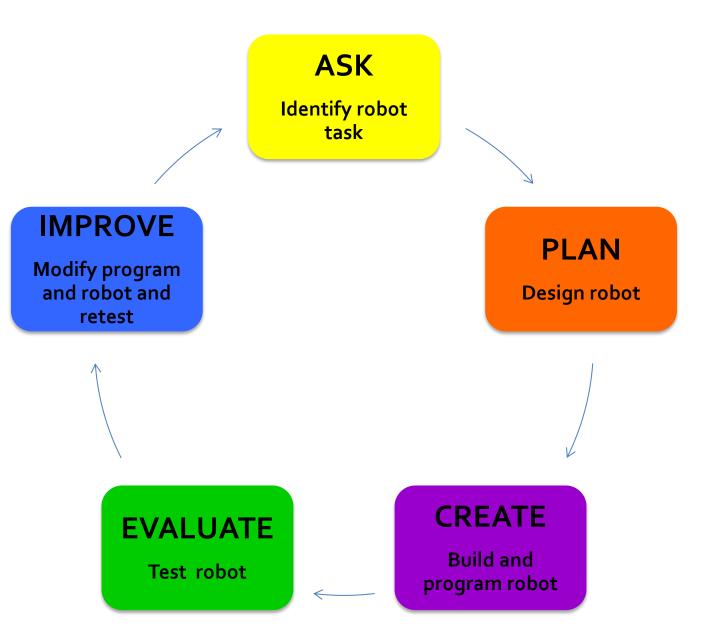
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Teamwork skill: Negotiate and resolve conflict



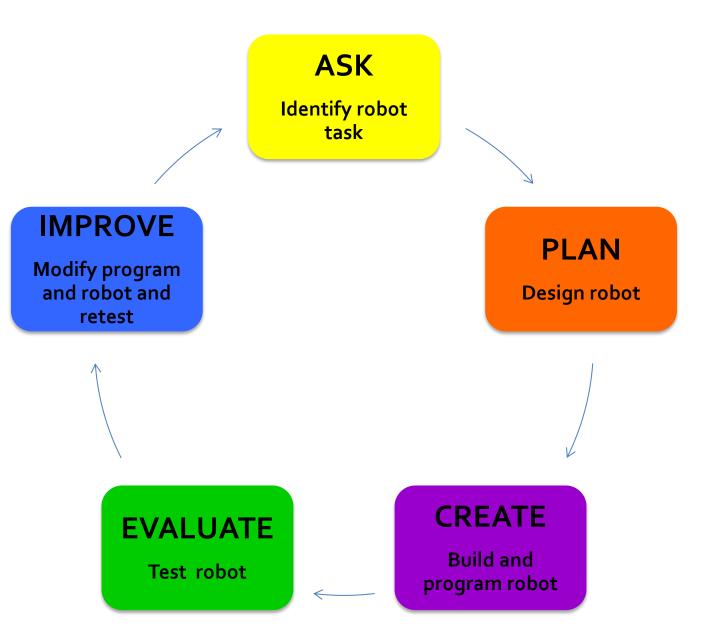
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3	I suggest ways to solve disagreements. E.g. "If you build onto the front of the robot, maybe I can build onto the sides, so we can use both our ideas."						
4	I change what I am doing to help reach a solution, even if it isn't what I want to do.						
5	I say sorry if I do or say something that upsets someone.						



Teamwork skill: Negotiate and resolve conflict



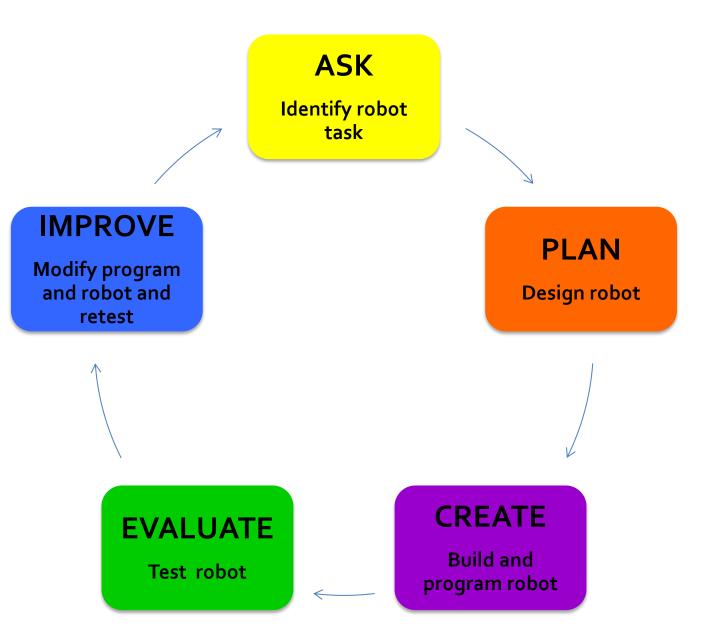
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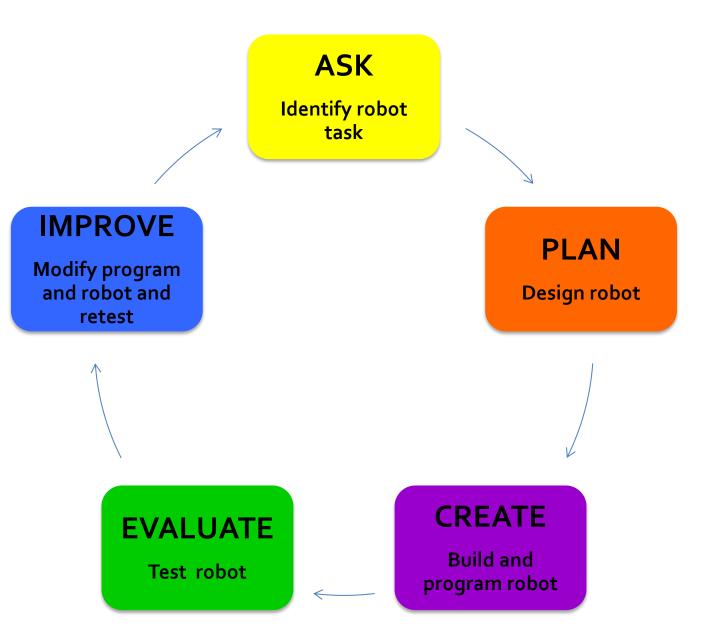
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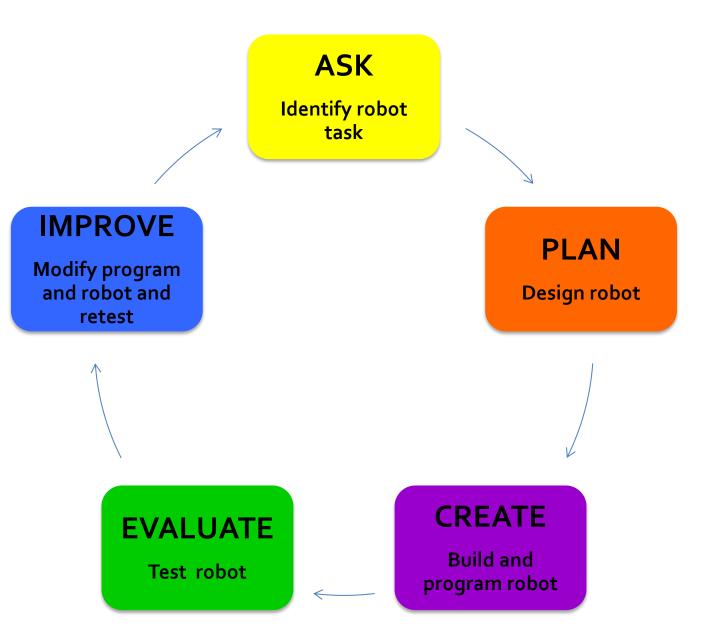
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Teamwork skill: Develop leadership skills



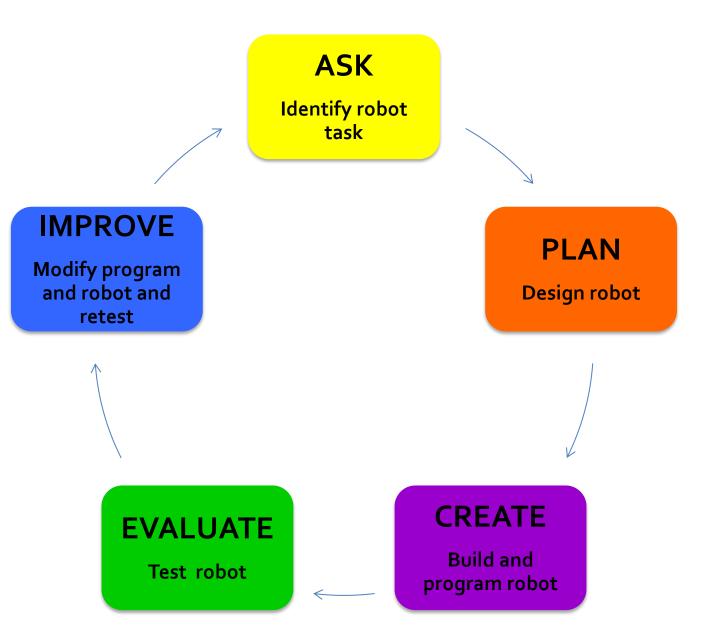
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2	I suggest solutions to problems, and ask if everyone agrees.									
3	I help new people learn by clearly explaining the goal of the challenge, or how our robot works.									
4	I encourage and help others to learn and try new things. E.g. "Have you tried this before? That's okay, I can show you Now you have a go!"									
5	I give compliments and congratulate others when they do things well. E.g. "Wow, well done making it move like that! You learned that really quickly."									



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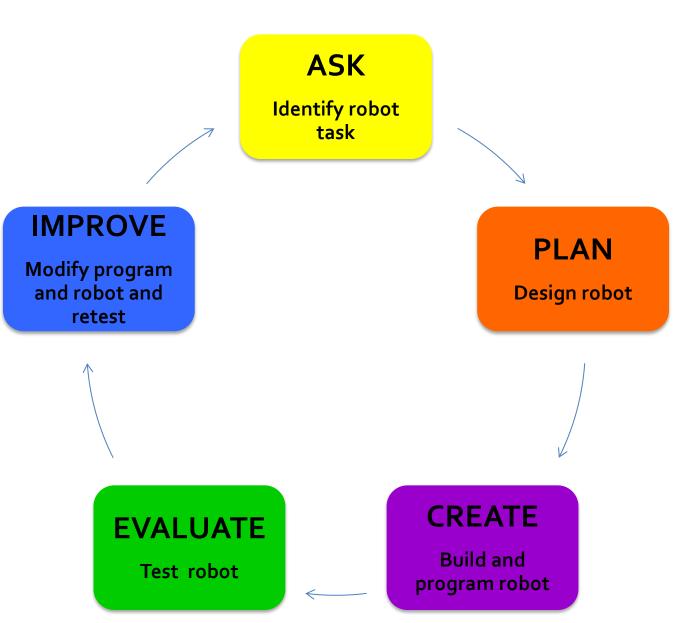
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