

PTC Education Program

FIRST Webinar Series - Getting the most out of your PTC products!

Agenda - Using Windchill ProjectLink for your team and design

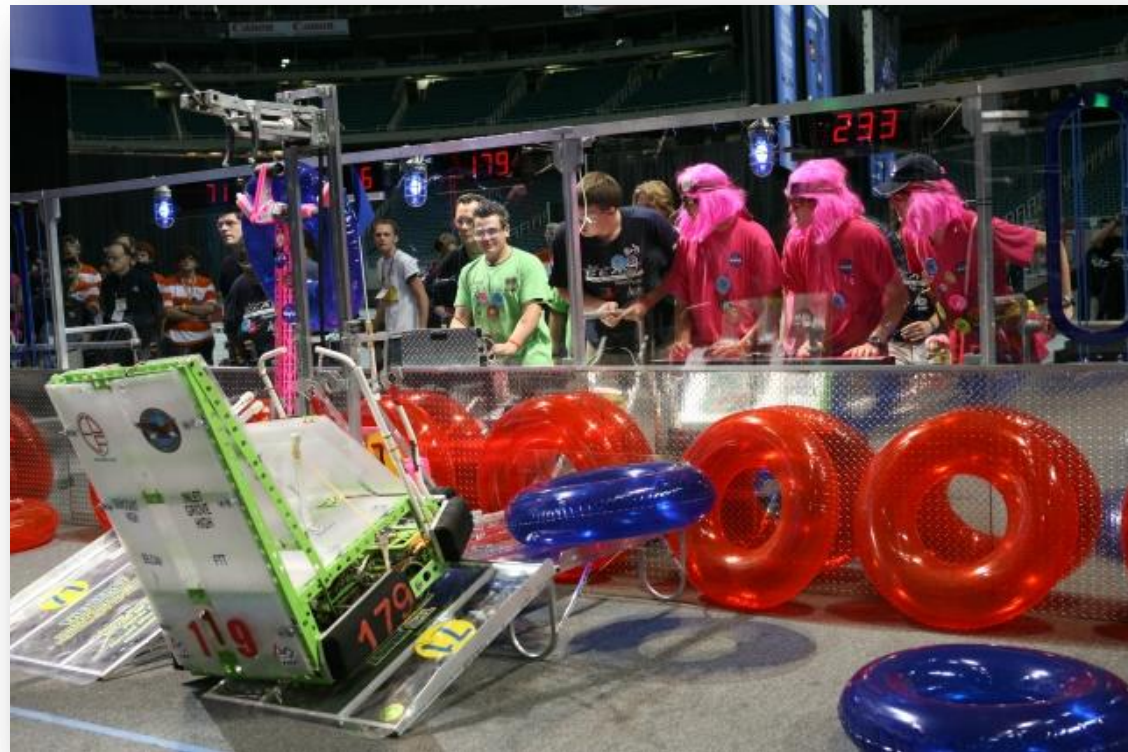
PTC offerings available to teams

What is Windchill ProjectLink?

Using ProjectLink for team collaboration - Demonstration

How to get started?

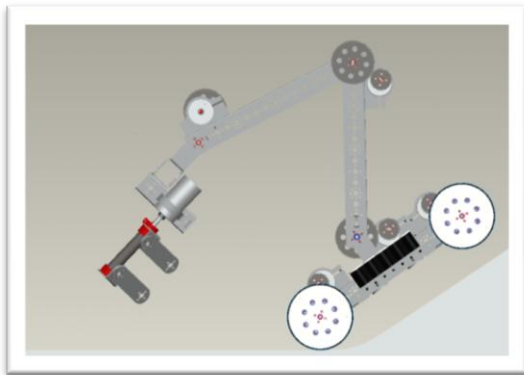
Discussion



PTC is committed to provide the best in-class solutions to FIRST teams. For the upcoming FRC and FTC season, teams will be able to access

- Pro/ENGINEER
- Mathcad
- Windchill ProjectLink (hosted by PTC)
- PTC also provides a full range of training resources to help support teams
- Full FRC and FTC kit of parts in Pro/ENGINEER Format

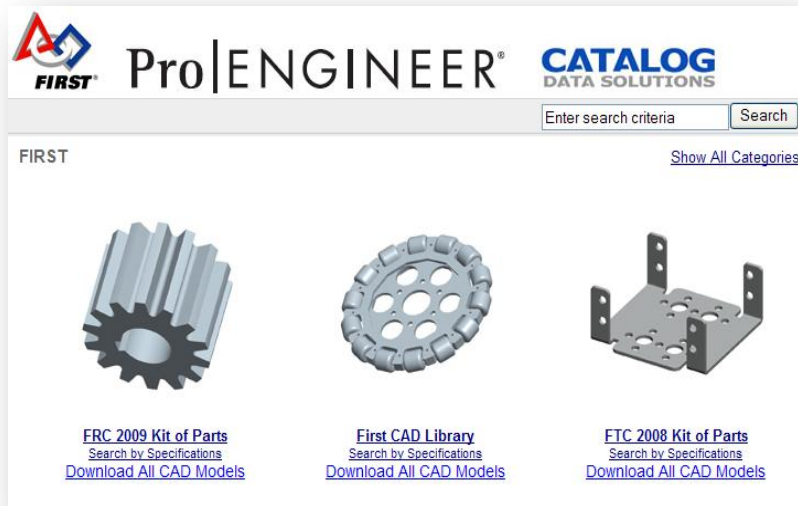
PTC will provide CDs of Pro/ENGINEER and Mathcad in the FTC kit of parts.



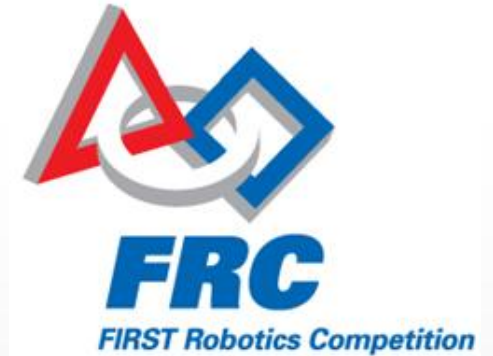
Pro|ENGINEER®

Windchill® ProjectLink™

- PTC has committed to expanding our Training Resources to all *FIRST* teams!
- Getting Started Page – www.ptc.com/go/firstgettingstarted
- FTC Kit of Parts – www.ptc.com/go/firstkop
 - Hosted by Data Solutions Catalog and collaborating with PITSCO
- FTC Curriculum
 - Course structured as an engineering notebook for users to learn about robotics
 - All curriculum based on FTC models/KOP
- PTC has provided recorded webinars on the use of PTC products



PTC® the product development company



PTC Education Program

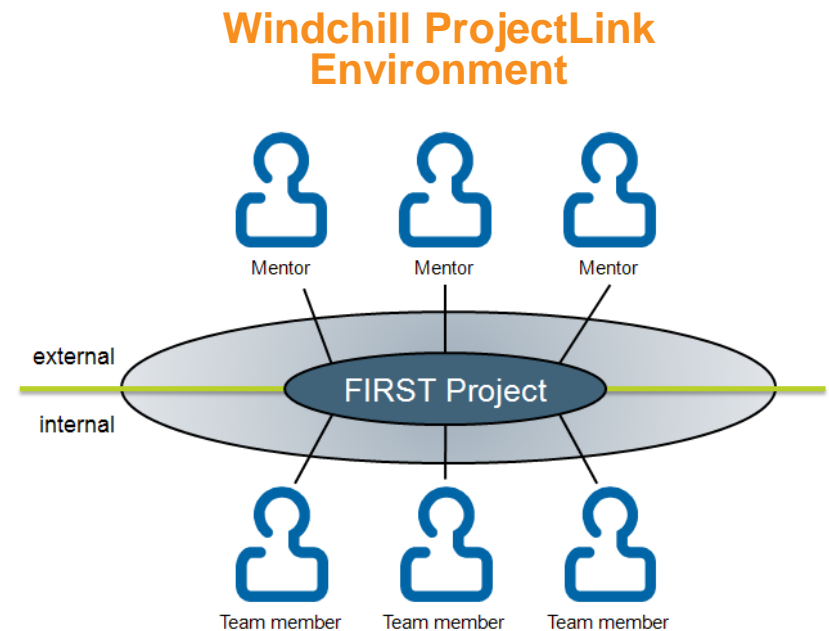


What is Windchill ProjectLink?

Collaborative Project Management - Windchill ProjectLink

Virtual project environment that provides secure collaboration and management capabilities for your FIRST team!

- > **Project-related information management**
 - Global access to all project-related product data including designs, models, etc.
 - Web-based project portal with embedded 3D visualization, search
- > **Project collaboration and management processes**
 - Self-administration project management
 - Project plan management
 - Distributed cross-enterprise team collaboration
- > **Cross-enterprise access to project information**
 - Access project 24/7 through intuitive web browser-based user interface
 - Connects to various CAD systems



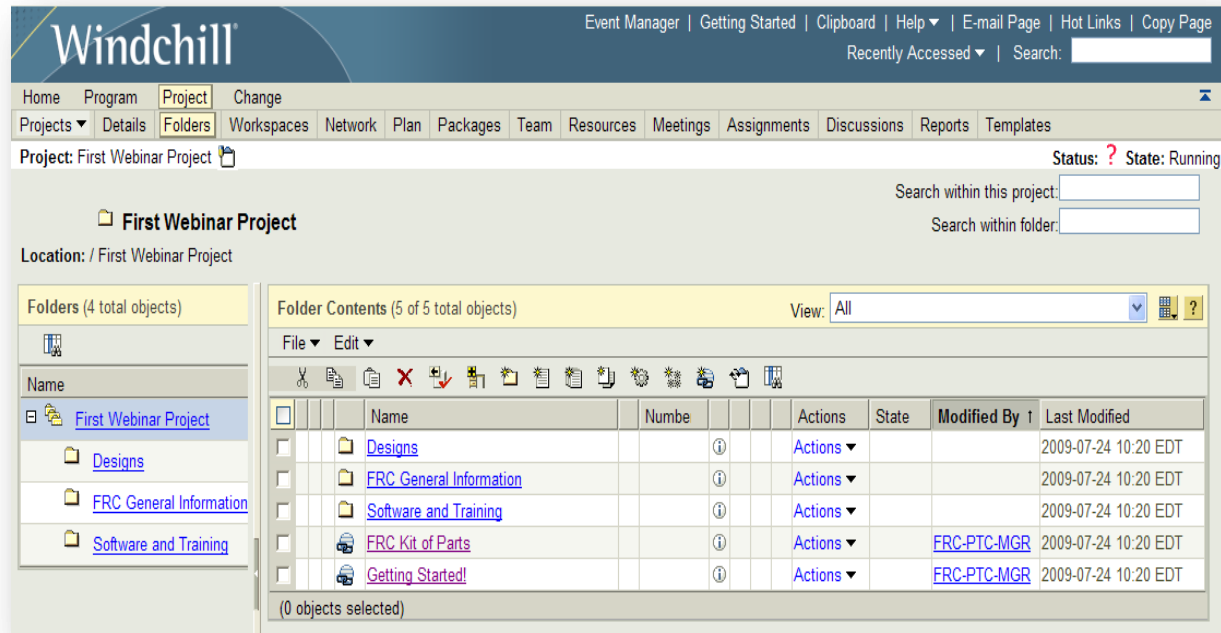
Unique all-in-one integral project management solution that provides document management, tight CAD integration, visualization, collaboration tools, robust workflow, and visualization

> Secure Location for Project Data

- Storage of master copies – no need to carry a flash drive
- Only authenticated users are able to access the project

> Tools for Collaboration

- Product data sharing
- Document routing
- Integration with data authoring applications
- Integrated Visualization, including viewing and markup
- Subscription, Notification
- Discussion forums
- Web meetings



The screenshot displays the Windchill ProjectLink web interface. At the top, the 'Windchill' logo is visible alongside navigation links: Event Manager, Getting Started, Clipboard, Help, E-mail Page, Hot Links, and Copy Page. Below this is a search bar and a 'Recently Accessed' dropdown. The main navigation bar includes tabs for Home, Program, Project (selected), and Change. A secondary bar contains various project management tools like Projects, Details, Folders, Workspaces, Network, Plan, Packages, Team, Resources, Meetings, Assignments, Discussions, Reports, and Templates. The current project is 'First Webinar Project', with a status of 'Running'. The interface shows a folder tree on the left with 'First Webinar Project' selected, containing subfolders like 'Designs', 'FRC General Information', and 'Software and Training'. The main pane displays the 'Folder Contents' of the selected folder, listing five objects: 'Designs', 'FRC General Information', 'Software and Training', 'FRC Kit of Parts', and 'Getting Started!'. Each object has a 'Name', 'Number', 'Actions' menu, 'State', 'Modified By', and 'Last Modified' timestamp (all from 2009-07-24 10:20 EDT).

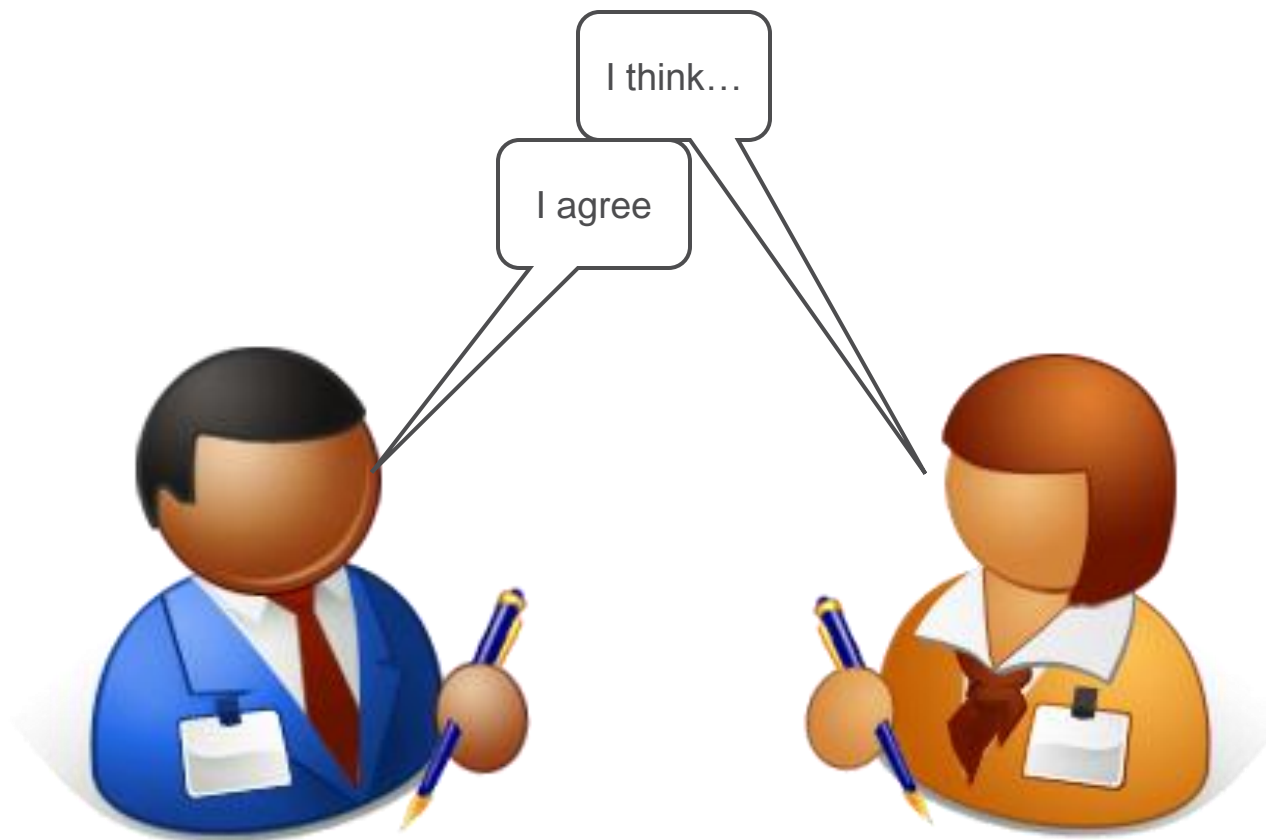
Name	Numbe	Actions	State	Modified By	Last Modified
Designs		Actions ▼			2009-07-24 10:20 EDT
FRC General Information		Actions ▼			2009-07-24 10:20 EDT
Software and Training		Actions ▼			2009-07-24 10:20 EDT
FRC Kit of Parts		Actions ▼		FRC-PTC-MGR	2009-07-24 10:20 EDT
Getting Started!		Actions ▼		FRC-PTC-MGR	2009-07-24 10:20 EDT

> What is your definition of teamwork?

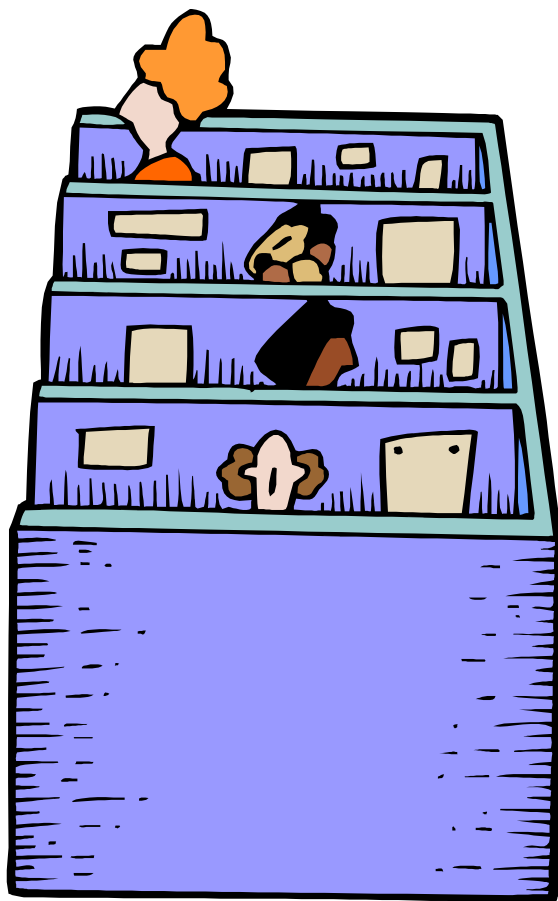
- "Successfully completing the roles and responsibilities to produce the product or deliver the service." ?
- "Everyone doing his part of the process to complete the job successfully." ?
- "Working together to get the job done." ?

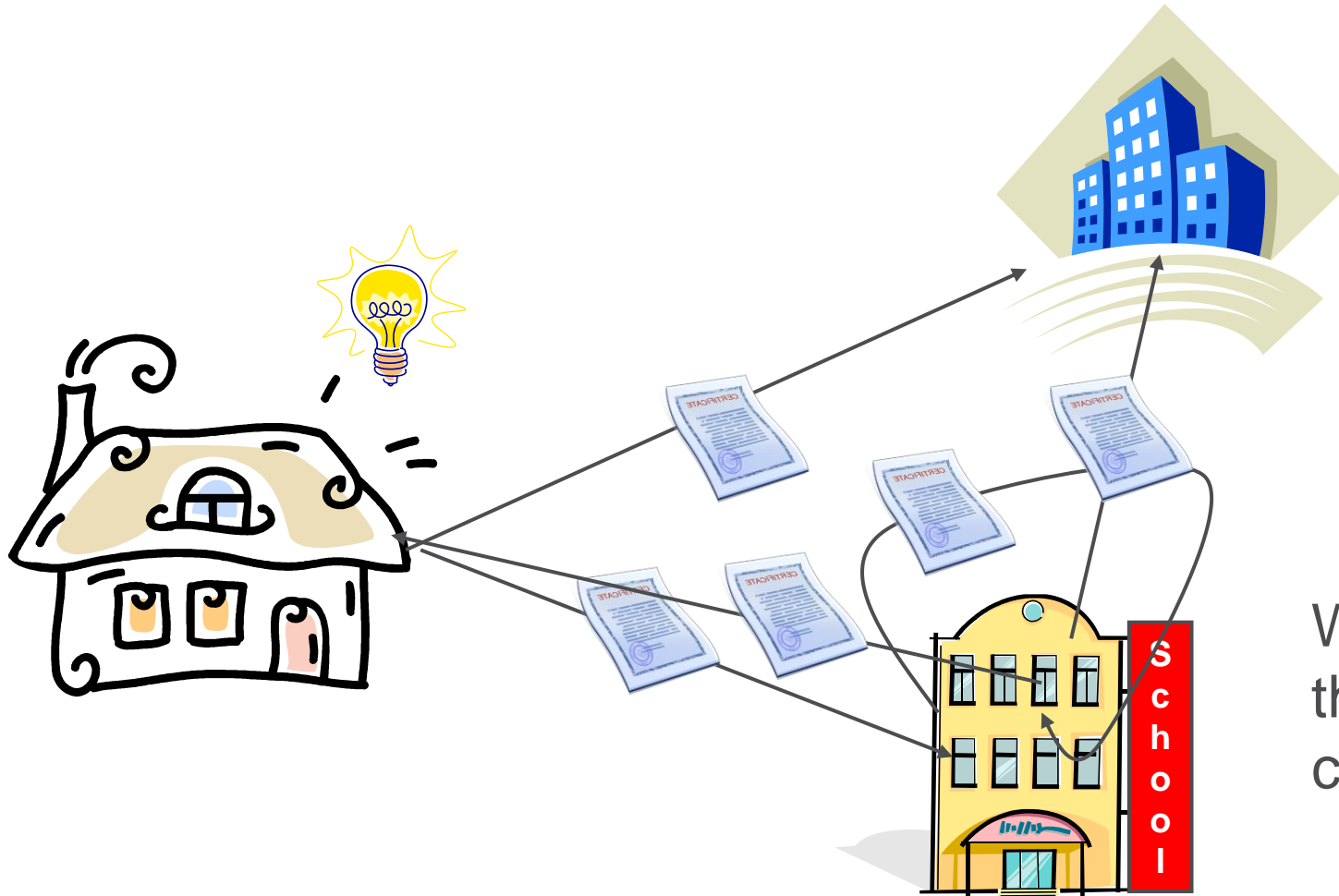
> These definitions focus on the result, or outcome rather than on how people work together

- Successful teamwork is based on successful communication



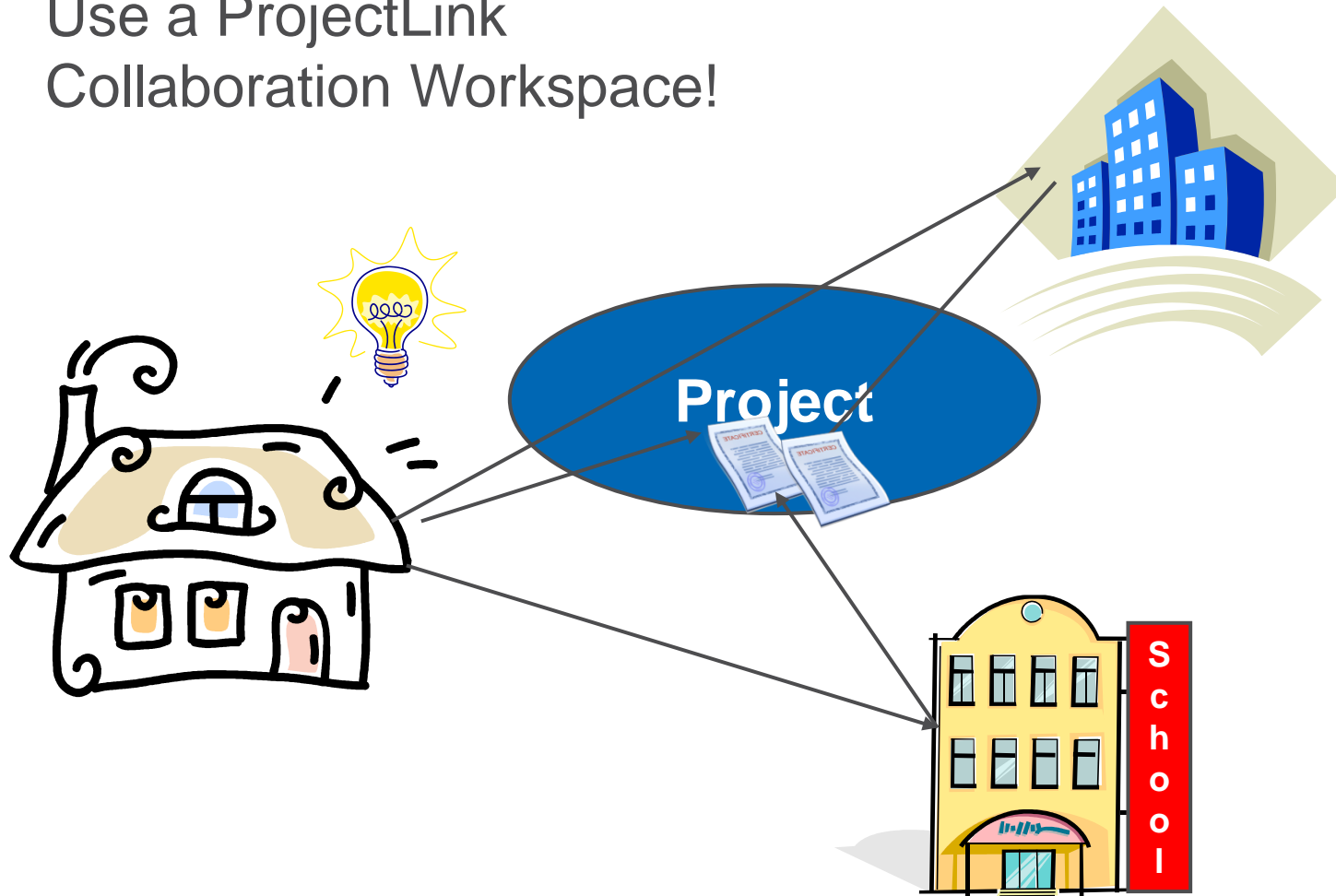
What about this?





Where is
the Master
copy?

Use a ProjectLink
Collaboration Workspace!



Using ProjectLink for Team Collaboration

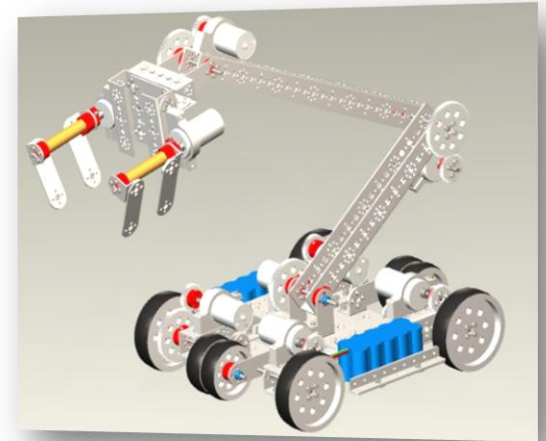


>Questions to ask your team?

- How do you share, work and manage documents for your team effectively?
- How do you manage changes in your design?
- How do you track discussion forums and document decisions?
- How do your mentors collaborate with your team?

>At the end of this presentation, you will understand how ProjectLink can help address these questions.

- Manage your documents in ProjectLink and review document history
- Create Discussions and capture content and actions
- Connecting your CAD tool to ProjectLink and manage your CAD data





PTC Education Program



Demonstration

Getting started is as easy as 1 – 2 – 3.

1) Register for a project space – <http://www.ptc.com/go/firstregistration>

- This will provide your team with a virtual project to back-up, store and manage your teams data
- Invite your team members
- Review the training material on www.ptc.com/go/firstgettingstarted

2) Download Pro/ENGINEER and Mathcad from your project or on ptc.com

- Download and install Pro/E and Mathcad from your project.*
- Access the full kit of parts for FRC and FTC – www.ptc.com/go/firstkop

3) Register for the free web-based training Site – <http://first.ptculms.com>

- Full range of courses for Pro/E, Mathcad and ProjectLink available 24/7

**If you choose not to use Windchill, you can download Pro/ENGINEER and Mathcad directly from www.ptc.com/go/softwareforfirst*

Alternatively, you can send your comments to
firstsupport@ptc.com



*"To create a world where
science and technology
are celebrated...where
young people dream of
becoming science and
technology heroes"*

Dean Kamen, Founder