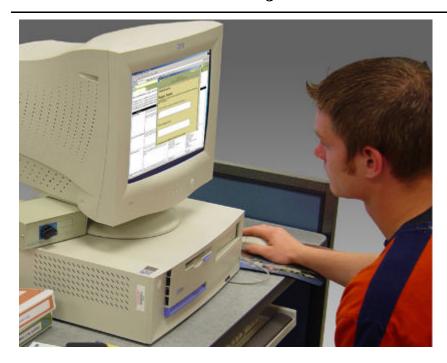# ScanTEK on-line Projects and Module Tasters

The ScanTEK on-line system is based on the LJ ClassCampus virtual learning environment, which enables "anytime – anywhere" access to the materials. Access to ScanTEK on-line is via a standard web browser.

ScanTEK Projects

The ScanTEK projects are a series of on-line projects. The student chooses a project from an extensive list of ideas. Each project has a design brief that provides details of the project, as well as academic and career links. Links to suitable research websites are also provided.

The student uses an interactive 'Design Loop'. Using an example of a common household product, the 'Design Loop' takes the student through the steps that should be undertaken during their project. The student will learn about identifying the problem, writing a design brief, investigation and research, generating solutions, choosing a solution, developing the chosen solution, modeling and prototyping, testing and evaluation, and redesigning and improvements. The student will use available IT resources as well as the Internet to complete their work.

An on-line journal enables the student to document their project work in a format that closely follows the stages of the 'Design Loop'. The student can attach word processor documents, spreadsheets, graphics, digital images and other files to the journal that they may have created during the project.

The teacher can view a student's portfolio of work in the journal at any time, and make use of the instructor marking system built into ClassCampus to grade their work.

Module Tasters

In addition to the on-line projects, the package also includes on-line tasters for each ScanTEK module. These have been designed to show students what is covered in each module. They include interactive elements and assessments, and are ideal for introducing students to the ScanTEK lab and the technology program.

Project ideas

The Design Loop

Project ideas include:
- Product design
- Interactive computer display
- Security system design
- House of the future
- Consumer surveys
- Key holder
- Night light
- Baby monitor
- Autonomous robot
- Product reviews
- Moon base design
- Clothing design
- Environmentally friendly construction
- Product advertisement
- Invention
- Sports complex design
- News report

An example Module Taster

Items required:
- Computer with Internet access, standard web browser and Macromedia Flash plug-in.

Module Facts

For Technology Program, order as:
ST550 ScanTEK on-line Projects and Module Tasters
(Access license – available for 20, 50 and 100 users, or an annual site license)

Module Tasters

	No.	Average time
Assignments	28	20 minutes
Total		9.5 hours

ScanTEK Projects

	Time
Projects	5 hours +

The time required for a project depends on student ability, age, experience and the depth to which the project is taken.

LJ Technical Systems
Web site: www.ljgroup.com

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